

MONTGOMERY WARD

A woman with short brown hair, wearing a pink and white vertically striped, off-the-shoulder dress with puffed sleeves and a full skirt, stands outdoors. She holds a light pink parasol with a scalloped edge in her right hand, which is wearing a white glove. Her left hand, also gloved, rests on her hip. The background is a soft-focus green foliage against a light blue sky.

America's
Shopping Center

BRINGS YOU

Better Values
FOR
Better Living

1961 Spring & Summer

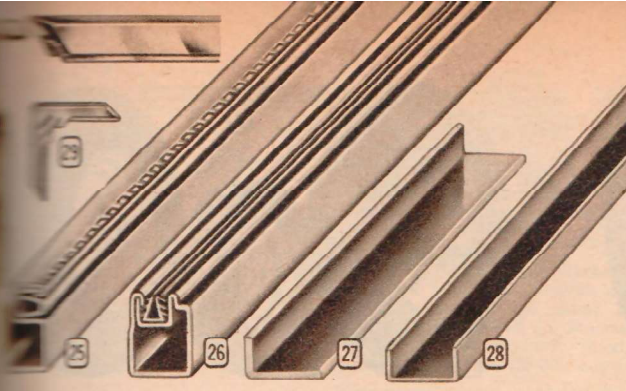
SHOP BY PHONE
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Albany 1, N.Y.

Satisfaction Guaranteed or Your Money Back



SAVE 50% WHEN YOU BUILD YOUR OWN SCREENS AND STORM WINDOWS

Work-With Rustproof Reynolds Aluminum. Use ordinary hand or power tools to make window screens. Order screen frame sections (25) with spline, corner locks (29), interchangeable hanger kit. For interchangeable window, order channel strip (28). All made of aluminum are non-staining, lightweight and strong.

Screen Frame with Spline. Use corner locks (29). Order aluminum screen (3) or Fiberglass on opposite page for additional savings.

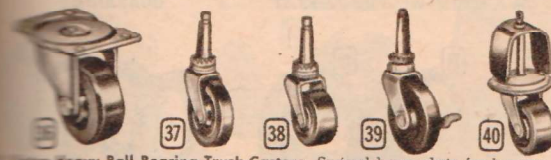
MO—6-ft. length. Wt. 1 lb. Ea. **98c**
MO—8-ft. length. Wt. 1 1/2 lbs. Ea. **\$1.32**

Sash Section. 3/4-in. wide. Glass fits into plastic-lined groove. To find correct window opening inside casing, use corner locks (29).

MO—6-ft. length. Wt. 1 lb. **98c**
MO—8-ft. length. Wt. 1 lb. 4 oz. **\$1.32**

Joins short pieces of sash (26), (25), 4 in. long.
 Ship. wt. 1 oz. Each **9c**

NOTE: All 6-ft. lengths available. 8-ft. lengths shipped Truck or Express



Heavy Ball Bearing Truck Casters. Swivel base plate for heavy-duty use on factory-type trucks, carts, furniture dollies, etc. Steel wheel type rubber or iron wheels. With screws.

Type	Plate Size, In.	Cap. Lbs.	Catalog Number	Ship. wt. Set of 4	Price Each	Set of 4
Iron	1 7/8x2 1/2	125	84 A 870	3 lbs.	50c	\$1.84
Iron	2 3/4x3 3/4	175	84 A 871	6 lbs.	\$1.03	3.78
Iron	3 1/8x4 1/8	225	84 A 872	8 lbs.	1.29	4.75
Rubber	1 7/8x2 1/2	65	84 A 873	2 lbs.	60c	2.29
Rubber	2 3/4x3 3/4	80	84 A 874	4 lbs. 12 oz.	\$1.20	4.55
Rubber	3 1/8x4 1/8	100	84 A 875	6 lbs. 8 oz.	1.60	5.89

Non-Steel Type

Steel	2 3/8x1 1/2	84 A 862	1 lb. 10 oz.	40c	\$1.49
Rubber	2 3/8x1 1/2	84 A 863	1 lb. 10 oz.	51c	1.89

Grip-Neck Removable-Type Casters. Steel stem and axle. 3/8-in. diameter sockets. Plastic wheels won't mar floors. State size.

Wheel dia.	Use for	Ship. wt.	Cat. No.	Wheel (black)	Set of 4	Cat. No.	Wheel (white)	Set of 4
1 in. crs.	1 lb.	84 A 853	rubber	\$1.00	84 A 861	plastic	\$1.09	
1 1/4 in. furn.	13 oz.	84 A 850	plastic	85c	84 A 859	plastic	75c	
1 1/2 in. furn.	1 lb.	84 A 850	plastic	86c	84 A 859	plastic	95c	

Removable-Type Casters. 2-in. diameter rubber wheels. Two with brake, two without. Grip-neck sockets. State size.

MO—Wt. 1 lb. Set **\$1.39**

Removable-Type Casters. Fit 1-in. round or square posts. Made of sturdy plastic.

MO—Wt. 1 1/4 lbs. 4, **\$1.10**

Chair Casters. 3/8-in. diameter. Double ball swivel. 2-in. diam. wheels. Set of four.

MO—Wt. 2 1/4 lbs. **\$3.10**

Chair Casters. State diam. 851—Black plastic. Ship. wts. 10 oz., 1 lb.

MO—Wt. 4 lbs. **86c**

MO—Wt. 4 lbs. **\$1.06**

Same as (42) but with white plastic wheels. State wheel diameter.

84 A 860—1 1/4-in. diam. Wt. 12 oz. 4, **95c**
 1 1/8-in. Wt. 1 lb. 4, **\$1.19**

(43) Floor Saver. Protects rubber and plastic tile. Ship. wts. 6, 8 oz.

84 A 877—1 1/4 in. diam. 4, **23c**
84 A 878—2 1/4 in. square. 4, **29c**

(44) Metal Caster Cups. Wt. 5 oz.
84 A 885—2-in. sq. legs. 4, **25c**

(45) Carpet Guard. Ship. wts.: 6 oz., 8 oz.
84 A 879—1 1/4 in. diam. 4, **33c**
84 A 886—2 1/4 in. square. 4, **49c**

(46) Rubber Cushion Glide. 7/8-in. diam.
84 A 884—Wt. 2 oz. 4 for **24c**

(47) Rubber Furniture Tips. 1-in. opening. White, gray, green, yellow.
84 A 896—State color. Wt. 4 oz. 4, **30c**



JUST SAY Charge It! SEE PAGE 1281



Dollar Saver

Buy Stapler (30) at regular price, \$10.79. We include 2000 staples, any size, FREE.

Save \$1.10 to \$1.38

Heavy-Duty Stapler 10.79

Get Better Staplers... Pay Less

HIGH COMPRESSION STAPLE GUNS

(30) Super-Drive Heavy Duty Compression Stapler. Unexcelled for factory, farm or home. Use it to install ceiling tile, insulation, wire screening, upholstery, etc. Guaranteed*. Handles 6 sizes of heavy-duty staples: 3/16, 1/4, 5/16, 3/8, 1/2, 5/8 in. Now, get 2000 staples free—State Catalog Number of staples, size wanted, ship. wt.; write "FREE" for price.
84 A 586 D—Ship. wt. 2 lbs. 2 oz. Order extra staples below. \$10.79

Extra Staples for (30), (33). Box of 1000, Ship. wt. 6 oz. State size.
84 A 568—3/16, 1/4 or 5/16 in. 55c; 3/8 in. 59c; 1/2 in. 65c; 5/8 in. 69c

Heavy-Duty Stapler Outfit \$13.95

(31) High Compression Gun Kit. Features Stapler Gun (30), metal carrying case, easy-lift stapler remover, and 1000 each of staple sizes: 3/16, 1/4, 5/16, 3/8, 1/2 and 5/8 in. Ship. wt. 4 lbs. 14 oz.
84 A 567—Guar.* ... \$13.95



(32) Genuine Swingline Staple Gun. Drives staples into wood, plastic, plaster, etc. Fastens screen wire, insulation, weather stripping, upholstery. Built-in staple extractor. Push-button loading. Handle lock. Takes 1/4 or 5/16-in. staples (below).
84 A 561—Ship. wt. 1 lb. 4 oz. Guaranteed* ... \$4.38

Staples for gun (32) only. Box of 1000, 1/4 in., 5/16 in.
84 A 562—Ship. wt. 3 oz. State Size. Box 45c

(33) Utility Staple Gun. Built and operated like (30) but without handle lock. Takes only 3/16, 1/4 or 5/16-in. staples 84 A 568 above. Guaranteed.*
84 A 585—Ship. wt. 2 lbs. 2 oz. \$8.79

***All Wards Staplers are fully guaranteed. Staplers (30), (31), (32), (33) will be repaired FREE within 1 year of purchase if defective within that time.**

Household Staplers

(34) "Tor" Stapler helps organize receipts, memos, etc. It's convenient and inexpensive, too. Buy several for around the house ... in the car.
84 A 563—1000 staples and case, Wt. 6 oz. 95c
84 A 564—1000 staples for (34), Wt. 4 oz. 23c

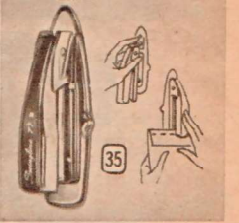
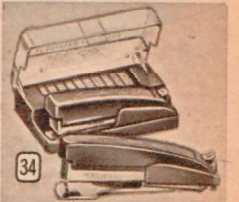
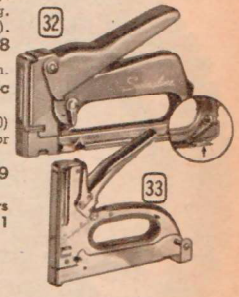
(35) Versatile, Handy, Too ... use it as a portable stapler or mount it on the wall. Holds papers better than clips ... and it's easier to use than pins or sticky pastes. Modern chrome-plated frame. At this low price it's smart to buy two. Box of 1000 staples included.
84 A 565—Ship. wt. 12 oz. \$2.69
84 A 566—1000 Extra Staples. Wt. 4 oz. 25c

Carpet and Screen Tacks

Carpet Tacks, 3/8, 1/2, 5/8, and 1-in. sizes. 400 to 450 tacks per package. State length.
84 A 550—Ship. wt. 4 oz. Package 15c

Screen Tacks. Approximately 350 in each pkg. Copper 3/8 in.; Aluminum 7/8 in. Wt. 3 oz.
84 A 554—Copper 23c; 84 A 553—Aluminum 18c

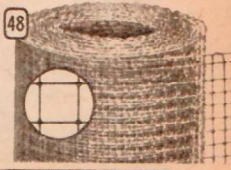
3/8-in. long Screen Staples. Ship. wt. 4 oz.
84 A 555—300 Steel 10c; 84 A 556—500 Alum. 18c



Full-Gauge, Heavy Hardware Cloth ... Galvanized ... Resists Rust Better

Galvanized in molten zinc after weaving for extra rust-resistance, strength and rigidity. Make or peel off. Double selvage. 1/4-in. made with 23-ga. wire. 19-ga. 3/8, 3/4-in. Ship. wts. given. roll. Available to State mesh, width, length.

Mesh	Wide In.	Wt. lbs.	84 A 9854H per ft.	84 A 9855H 25-ft. Roll	84 A 9853R 100-ft. Roll	Mesh	Wide In.	Wt. lbs.	84 A 9854H per Ft.	84 A 9853R 100-ft. Roll
1/4x1/4 in.	24	54	30c	\$7.10	\$25.33	5/8x5/8 in.	30	97	44 1/2c	\$37.45
	30	68	38c	8.92	31.68					
	36	81	45c	10.60	37.96					
	48	108	61c	14.54	50.66					
1/2x1/2 in.	24	58	26c	6.19	21.38	3/4x3/4 in.	24	77	32 1/2c	28.44
	30	73	32c	7.64	26.32		30	96	40c	34.55
	36	87	38c	9.34	32.14		36	115	49c	42.66
	48	116	51c	12.38	42.82					



CBA WARDS 1045

Buy 4 — Save Even More

Low as
45c ea.

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1 2 General Purpose Utility Wheels. Wheel (a) is light duty, ideal for toys. Wheel (b) is best for coaster wagons, power mowers, farm carts, etc. Use wheel (c) for larger coaster wagons, etc. Wheel (d) best for garden carts, tools, etc.; can be used as replacement for size 10x1.25. Use wheels (e) and (f) over rough surfaces for golf carts, wheelbarrows, etc. Recommended for speeds up to 5 miles per hour only. Axle not included; order axles and axle caps separately below.

	Tire Size	Tire Type	Cap. Lbs.	Bearings	Fit Axle	Hub Width, in.	Catalog Number	Wt. Lbs.	Each	4 for
(a)	4 1/2 x 1 1/2	Solid Rubber	40	None	3/8-in.	5/8	84 A 8695L	1/2	45c	\$1.65
(b)	6 x 1.50	Semi-pneumatic	60	Ball	1/2-in.	1 1/4	84 A 8696L	1 1/2	\$1.15	4.40
(c)	8 x 1.75	Semi-pneumatic	100	Ball	1/2-in.	1 1/4	84 A 8698L	2 1/2	1.37	5.30
(d)	10 x 1.50	Semi-pneumatic	50	Ball	1/2-in.	1 3/8	84 A 8693	3 3/4	1.67	6.10
(e)	10 x 1.75	Semi-pneumatic	100	Ball	1/2-in.	1 7/32	84 A 8697L	3 3/4	1.70	6.50
(f)	12 x 1.75	Semi-pneumatic	100	Ball	1/2-in.	1 7/32	84 A 8694L	5	1.97	7.80

3 Rugged Ball Bearing Wheels. 300 lbs. capacity. Semi-pneumatic tires—wide rugged tread, tubeless, won't puncture. High capacity load rating. Smooth easy rolling, ideal for feed trucks, heavy duty power mowers, portable generators, similar industrial equipment. Baked red enamel finish. Hub widths 2 1/4 in. Axles not included. See (8). 6x2.00 tire size. Fit 1/2-in. axle, bearing.
84 A 8692L—Wt. 2 1/2 lbs. Ea. \$3.49, 4 for \$12.95

4 Industrial Wheels, Tires. Ball bearing construction. Reinforced for big loads. For hand or floor trucks, portable welders, etc. Semi-pneumatic—wide tread, tubeless, won't puncture. High load ratings. Red enamel finish. Fit 1/2-in. axle. Not included. Order axle stock (8). Mail.

Tire Size	Cap. Lbs.	Hub width	State Cat. No.	Wt. lbs.	Price Each	4 for
8x2.00	200	2 5/32 in.	84 A 8669	3	\$4.17	\$15.75
10x2.75	250	2 5/16 in.	84 A 8673M	7	5.95	21.95
12x3.00	300	3 1/4 in.	84 A 8684M	9	6.45	22.95

5 Heavy-Duty Wheel, Tire and Tube. For builders' wheelbarrows. Ball bearing construction. Drop center rim. 4.00x8 pneumatic tire, tube. Fits 1/2-in. axle. Mailable.

With 2-Ply Tires. 510 lbs. cap.
84 A 8678 M—Wt. 10 lbs. \$11.95
With 4-Ply Tires. 695 lbs. cap.
84 A 8668 M—Wt. 10 lbs. \$12.95

RUBBER TIRE ONLY. 5-rib tread.
64 A 719M—2-ply. Wt. 5 lbs. \$6.25
64 A 189M—4-ply. Wt. 6 lbs. 6.65

TUBE ONLY. Fits (5) above.
64 A 749 M—Wt. 1 1/2 lbs. \$1.45

Solid Rubber Wheel. 5x1 1/2 in. Fits 1/2-in. axle (not included), order at right (8). Self-oiling bearings. 350 lbs. capacity.
84 A 8685—Wt. 1 lb. 11 oz. Ea. \$1.06

6 Durable Garden Barrow Wheel, Tire. 10x2.75 semi-pneumatic tire. Strong ball bearing construction. Fits 1/2-in. axle.
84 A 8680 M—Wt. 6 lbs. \$3.57

7 Tapered Roller-Bearing Wheel. High speed 4.00x8 center wheel. Comes complete tire, tube, hub, seals, spacer. 3/4-in. axle. Load rate 465 lbs. MPH. 16-in. diam., 4-in. wide enamel finish. (For axle order (13) below).
84 A 8658 M—Wt. 11 lbs. \$12.95

Wheel Axle Caps. Fit any diameter axle wheel.
84 A 8690—Wt. 3 oz. \$1.00

Wheel Bushings. Reduce any diam. 1/2 in. to 1/2 in. Save replacement expense. Wt. 1/2 lb.
84 A 8671—3 1/4 in. long. \$1.00

8 All Steel Axle Stock. Use any saw (Page 1075) for cutting your length. State Size.
84 A 8686M—1/2x36-in. Wt. 3 lbs. \$1.00
5/8x36-in. Wt. 4 lbs. \$1.00

SATISFACTION GUARANTEED

"Charge It!" SEE PAGE 1281

High-Speed Wheels

9 10 Speeds to 50 MPH. 12-in. diam. steel wheel; steel disc rim bolted together. With 2-ply tire, tube. Ship. wt. 8 lbs. Slick wt. 9 lbs.

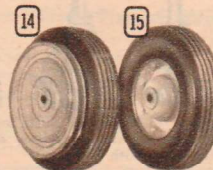
Tread	Type	Size	Cat. No.	Price
Knob	Ball	4.10/3.50x6	84 A 8647	10.95
Slick	Ball	4.10/3.50x6	84 A 8657	14.45
Knob	Taper	4.10/3.50x6	84 A 8662	11.45
Slick	Taper	4.10/3.50x6	84 A 8663	14.95
Knob	Ball*	10x3.50	84 A 8655M	10.95
Slick	Ball*	10x3.50	84 A 8656M	13.45

*Comes complete with Speed Ball Bearing Hub.

11 Free-rolling Wheel Hub. Sturdy 3-bolt construction. Zerk fitting. 3/4-in. ID bearings.
84 A 8652—Ball Bearings. Wt. 9 lbs. \$3.29
84 A 8665—Taper Brgs. Wt. 9 lbs. 7.45

12 High Speed Drive Hub. Demountable 72-tooth sprocket, 3 bolts, zerk fitting. 3/4-in. ID bearings. Use #35 chain.
84 A 8654—Ball Bearings. Wt. 10 lbs. \$6.98
84 A 8664—Taper Brgs. Wt. 10 lbs. 10.75

13 Axle Spindle. 8x3/4 in. Wt. 1 lb.
84 A 8643—For Ball Bearings. \$1.49
84 A 8666—For Tapered Bearings. 2.69

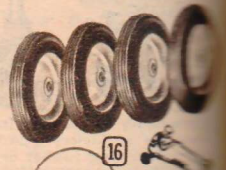


Go-Kart Wheels Medium Speed

14 Economical 15 MPH Drive Wheel. Heavy-duty 1/2-in. oilless bearings. Heavy-gauge 8-in. diam., V pulley for 1/2-in. A belt, welded to hub. 10x2.75 in. semi-pneumatic tire.
84 A 8649—Wt. 9 lbs. \$6.69

15 Free-rolling 15 MPH Wheel. Heavy-duty 1/2-in. oilless bearings. Heavy-gauge steel disc. Offset hub. 10x2.75-in. semi-pneumatic tire.
84 A 8648—Wt. 4 lbs. \$3.98

See Page 1134 for more speed parts.



Jet-Away Kit

16 Push-Type "Rocket" Full speed ahead on a slick oil-free-bearing wheel. The personal touch put out ahead as the kids' wheels. All you do is bolt the 4 to your own heavy board and attach the wheels and wheel. Not recommended for engine power. When you build and add your own body. Kit includes stencil.
84 A 8651—Wt. 11 lbs. \$12.95

Industrial Capacity Power Tools



17 POWER-KRAFT 6-in. Jointer-Planer. 4500 to 5000 RPM. Big 43-in. tables independently adjustable. 1-piece fence. Tilts 45° right, left at 45°-90°-45°. 1/2-in. depth of cut. Safety cutter head. Ball bearings. Steel knives, 6x3/4x1/8 in. 2 1/2-in. pulley. Use 1/2-HP 3450 RPM motor.
84 A 2508 F*—Ship. wt. 130 lbs. \$5 Down, \$6 Monthly. Cash \$22.95
(18) 84 A 2507 K*—Steel Jointer Stand. 28 in. high. Ship. wt. 19 lbs. \$12.95

19 POWER-KRAFT Heavy-Duty 14-in. Band Saw. Cuts 6 1/2 in. deep, to 28 in. circle. Slotted table tilts to 45°. Holes for rip fence, 1-piece frame; promotes safety, reduces chatter. 14-in. wheels. 94-in. blade pulley. Overall 25x14x42 in. high. Use 1/2 or 1/2 HP 1750 RPM motor with pulley. Has 6 sets of double-shielded lubricated for life ball bearings.
84 A 2328 F*—\$5 Down, \$7 Monthly. Ship. wt. 90 lbs. Cash \$22.95
(20) 84 A 2329 K*—Steel Stand for (19). 28 in. high. Wt. 19 lbs. \$12.95
Extra Band Saw Blades for (19). 94 in. long. 1/8, 3/16, 1/4 or 3/8 in. diam.
84 A 2337 K*—State diam. wanted. Ship. wt. each, 1 lb. \$1.00. Each \$1.00

21 Precision-Built Heavy-Duty 15-in. Drill Press. 9 speeds between 5200 RPM. Will drill holes up to 1/2-in. diam. in steel, up to 2-in. diam. in wood. Has 4 sets of lubricated for life ball bearings. 1/2-in. chuck. Quill travels 4 1/2 in. Complete with 5-in. 4-step machine pulley. Motor included; 1/2 HP, 1750 RPM recommended (see Page 1050).
84 A 2587 F*—Floor Model—41 3/4-in. chuck to table. Wt. 112 lbs. \$22.95
84 A 2588 F*—Bench Model—13 3/4-in. chuck to table. Wt. 94 lbs. \$19.95

22 Heavy-Duty 20-in. Jig Saw cuts to center of 40 in. circle, through plastic, 2-in. wood. Automatic blade tension. Blade chucks adjust. Blade setting. 12x12 in. table tilts 30° left, 45° right, supported on a trunnion. Guide assembly turns 90° for unlimited ripping. Roller blade.
84 A 2352 F*—5-in. blade length. Ship. wt. 60 lbs. \$5 Down. Cash \$22.95
84 A 2353 K*—Jig Saw Floor Stand, bolts included. Wt. 18 lbs. \$12.95

*NOTE: Heavy-Duty Power Tools (17) to (22) shipped promptly from Factory near South Bend, Ind.; you pay ship. charges from there.

1046 WARDS BA



Buy 3 Blades
Save 10% More*

BENCH SAW BLADES

Sawing—For Sanding

New Cutting and Sanding Blades. The "Diamond-Like" tungsten carbide Power-grit blades (coarse on one side, fine on the other), last 150 times longer than sanding discs. One blade does cutting, sanding, dadoing, and smoothing tools ever. No danger of kick-back. Stays sharp for many years. Easily cleaned with wire brush. Combination $\frac{5}{8}$ in. diam. Ship. wt. 1 lb.

84 A 6984 D— $\frac{5}{8}$ in. diam. \$3.98
84 A 6985 D—8 in. diam. \$4.95

POW-KRAFT Tungsten Carbide-Tipped Blades. Last 25 to 100 times longer than ordinary blades. Fit $\frac{1}{2}$ and $\frac{5}{8}$ in. diam. arbor. 18 teeth.

84 A 6986 D—State size wanted.
8 in. diam. Ship. wt. 1 lb. 5 oz. \$8.95
9 in. diam. Ship. wt. 1 lb. 13 oz. 9.95

HOBBYIST QUALITY. Last up to 25 times longer than ordinary blades. Fit $\frac{1}{2}$ and $\frac{5}{8}$ in. diam. arbor. 18 teeth.

84 A 6987 D—State diameter.

Diam.	Teeth	Bore	Wt.	Price
7 in.	12	$\frac{1}{2}$ in.	13 oz.	\$15.88
8 in.	12	$\frac{1}{2}$ in.	1 lb. 5 oz.	16.84
9 in.	12	$\frac{1}{2}$ in.	1 lb. 13 oz.	19.84
10 in.	12	$\frac{5}{8}$ in.	2 lbs. 6 oz.	21.84

26 to 30 POW-KRAFT Krome-A-Loy Saw Blades. Last 3 to 5 times longer. Chrome vanadium steel, tempered, hardened. Precision filed, set by hand for perfect blade alignment—smoother, cleaner cutting. Won't bind. (14, 16-in. sizes are chrome nickel steel, not hard chromed.) Buy any 3 blades (25 to 30)—Save 10% more.* State diameter.

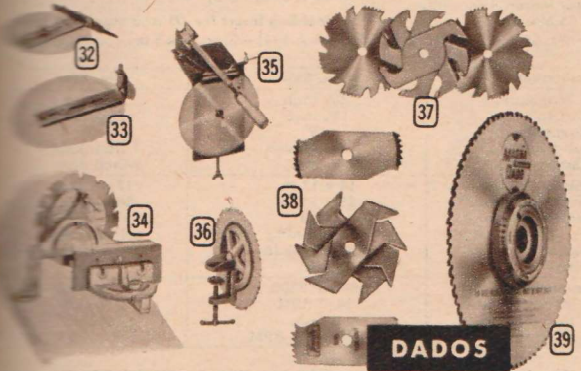
State Blade Diam.	Bore Size, In.	Ship. Wt. Lbs.	(26) Rip 84A6981D Ga.	(27) Hol.Grind. 84A6983D Price	(28) Comb. 84A6982D Ga.	(29) Crosscut 84A6980D Price	(30) Plywood 84A6984D Ga.	Price
6 in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ lb.	18	\$1.74	18	\$1.74	18	\$1.74
7 in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ lb.	18	1.94	14	\$2.97	18	1.94
8 in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ lb.	18	2.15	14	4.19	18	2.15
9 in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ lb.	16	3.25	14	6.89	16	3.25
10 in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ lb.	16	3.35	14	7.95	16	3.35
12 in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ lb.	14	4.98	14	4.65	14	4.95

When ordering 9-in. blade, State Diameter and Bore Size.

31 8-in. Steel Sanding Wheel. Fits $\frac{1}{2}$ and $\frac{5}{8}$ in. diam. arbors.
84 A 2285—With 1 coarse, 1 med. grit disc. Wt. 2 lbs. 12 oz. \$2.79
84 A 2286—Abrasive discs. 2 Fine, 2 Med., 1 Coarse. Wt. 4 oz. 5 for 75c

*On Any 3 Blades (25) to (30). Pick Out 3 Blades, Deduct 10%

SAFETY GUARANTEED



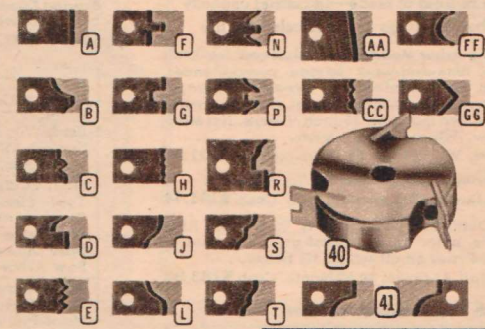
32 Jointer. Give teeth same height.
33 12 oz.—Heavy-gauge steel. \$1.29
34 Circular Saw Set. Set teeth on Blades up to 10 in. diameter.
35 Heavy steel. Wt. 9 oz. \$2.49
Includes: Filer (35), Saw Set (33).
36 Save \$1.24. Wt. 3 lbs. 2 oz. \$9.75
37 Circular Saw Sharpener. Sharpens, gums, retools all blades to 12 in. Grind wheel, 2 index dials, safety guide. Bushes $\frac{1}{2}$, $\frac{3}{8}$, $\frac{3}{4}$, 1-in. round arbors.
38 Ship. wt. 3 lbs. 6 oz. \$16.95
39 Circular Saw Filer. Insures correct angle on teeth. Heavy-gauge steel.
40 Ship. wt. 2 lbs. 10 oz. \$8.50
41 Circular Saw Vise. Holds blades 6 to 16 in. diam. Malleable gray iron.
42 Ship. wt. 3 lbs. \$3.49

37 Finest Quality Dado. Alloy steel. Two outside blades $\frac{1}{8}$ in. thick, 4 chippers (one $\frac{1}{8}$, two $\frac{1}{16}$, one $\frac{1}{4}$ in.). Pay postage from Buffalo, N.Y. Factory on 8-in. size; 6-in. shipped promptly from Stock. State diam., hole size.

Diam.	Arbor Hole	Cat. No.	Ship. wt.	Price
6 in.	$\frac{5}{8}$ in.	84 A 2283	3 lbs. 8 oz.	\$8.98
8 in.	$\frac{5}{8}$ or $\frac{3}{4}$ in.	84 A 2283K	6 lbs.	23.95

38 Hobbyists Quality Dado. $\frac{5}{8}$ in. arbor. Two $\frac{1}{8}$ in. outside blades, one $\frac{1}{16}$, three $\frac{1}{8}$ in. chippers. 8-in. size has four $\frac{1}{8}$ in. chippers.
84 A 2299—6 in. diam. Wt. 3 lbs. 8 oz. \$5.98
8 in. diam. Wt. 4 lbs. 8 oz. 12.95

39 Heavy-Duty Dado. Wobble type. Dados, rabbets, grooves, etc. Calibrated dial. Cuts from $\frac{3}{32}$ to $\frac{7}{8}$ in. wide, 2 in. deep. 8-in. diam. blade. Mailed Postpaid.
84 AP 3300— $\frac{5}{8}$ or $\frac{3}{4}$ in. arbor hole ... \$16.95



CUTTER HEADS



42 POW-KRAFT Molding Cutter Head Set. Fits all Powr-Kraft Saws, Shopsmith, Sawsmith. $\frac{1}{2}$, $\frac{5}{8}$ in. arbor. 5 knife sets.
84A2266—Wt. 4 lbs. \$15.98

40 POW-KRAFT Cutter Head. For saws with $\frac{1}{2}$ or $\frac{3}{8}$ in. arbor.
84 A 2267—Alum. Alloy. $\frac{3}{8}$ in. diam. $\frac{7}{8}$ in. wide. Wt. 1 lb. \$4.50
Shopsmith Cutter Head. Fits Mark 5 and Powr-Kraft Saws.
84 AP 3102—Alloy Steel. $\frac{3}{8}$ in. diam. $\frac{7}{8}$ in. wide. Postpaid. \$7.95

41 POW-KRAFT Dropleaf Table Cutter Set. Fits heads above.
84 A 2256—1 for dropleaf, 1 for table edge. Wt. 8 oz. \$5.95

A to GG POW-KRAFT Cutter Head Knives. Fit Heads Above. $\frac{1}{8}$ in. thick; 1 in. wide except (AA), (R). $1\frac{1}{2}$ in. wide.
84 A 2255—Tool Steel. 3 blades in set. Ship. wt. set: 6 oz.

State	Type	Set	State	Type	Set
(A)	Blank Square Knives.....	\$2.75	(N)	Panel Insert.....	\$3.95
(B)	$\frac{1}{4}$, $\frac{1}{2}$, Quarter Round.....	2.75	(P)	Panel Insert Cope.....	3.95
(C)	Glue Joint $\frac{1}{2}$ in. up.....	2.75	(R)	$1\frac{3}{8}$ -in. Sash.....	3.95
(D)	Cabinet Door Lip, $\frac{3}{8}$ in.....	2.75	(S)	$1\frac{3}{8}$ -in. Sash Cope.....	3.95
(E)	V Flute Molding.....	2.75	(T)	Bead, Cove Molding.....	2.75
(F)	Groove.....	2.75	(AA)	Panel Raiser.....	3.95
(G)	Tongue.....	2.75	(CC)	3 Bead.....	2.75
(H)	4-Bead Molding.....	2.75	(FF)	$\frac{3}{4}$ -in. Half Round.....	2.75
(J)	O. G. Molding.....	2.75	(GG)	45° Vee.....	2.75
(L)	O. G. Molding.....	2.75			

BLADES FOR POWER HAND SAWS

Heavy Duty Cutting Saw Blade. Silicon Carbide. Cuts brick, tile, concrete, etc. Wt. 8 oz. State diam., arbor size. Fits both hand saws and bench saws.
84 A 2244 D— $6\frac{1}{2}$ in.—\$1.84 $6\frac{3}{8}$ in.—\$1.84 $7\frac{1}{2}$ in.—\$2.47

POW-KRAFT Krome-A-Loy Plywood Hand Saw Blades. Cut shingle roofing, etc. Specially ground, treated to last longer.

Cat. No.	Diam.	Hole, In.	Wt.	Each
84 A 6993D	6 in.***	$\frac{1}{2}$ sq.	6 oz.	\$1.94
State	$6\frac{1}{4}$ in.***	$\frac{1}{2}$ sq.	6 oz.	1.94
diam., size	$6\frac{1}{2}$ in.**	$\frac{3}{8}$, $\frac{1}{2}$ rd.	6 oz.	2.25
of hole	7 in.*	$\frac{1}{2}$ sq., $\frac{5}{8}$ - $\frac{1}{2}$ rd.	8 oz.	2.25
	$7\frac{1}{4}$ in.*	$\frac{1}{2}$ sq.	8 oz.	2.25
	$7\frac{1}{2}$ in.**	$\frac{1}{2}$, $\frac{3}{8}$ rd.	1 lb.	2.25
	8 in.	$\frac{3}{8}$ - $\frac{1}{2}$ rd.	1 lb.	2.29
	$8\frac{1}{2}$ in.*	$\frac{1}{2}$ sq.	8 oz.	2.79

POW-KRAFT Nail-Cutting Hand Saw Blades.

Cat. No.	Diam., in.	Hole, In.	Wt.	Ea.
84 A 6993D	6 in.***	$\frac{1}{2}$ sq.	8 oz.	\$2.19
State	$6\frac{1}{4}$ in.***	$\frac{1}{2}$ sq.	8 oz.	2.29
diam., size	$6\frac{1}{2}$ in.**	$\frac{3}{8}$, $\frac{1}{2}$ rd.	8 oz.	2.29
of hole	7 in.*	$\frac{1}{2}$ sq., $\frac{5}{8}$ - $\frac{1}{2}$ rd.	12 oz.	2.59
	$7\frac{1}{4}$ in.*	$\frac{1}{2}$ sq.	12 oz.	2.59
	$7\frac{1}{2}$ in.**	$\frac{3}{8}$ - $\frac{1}{2}$ rd.	1 lb.	2.59
	8 in.	$\frac{3}{8}$ - $\frac{1}{2}$ rd.	1 lb.	2.89
	$8\frac{1}{2}$ in.*	$\frac{1}{2}$ sq.	1 lb.	3.49

46 POW-KRAFT 12-Tooth Carbide Tipped Blades. Save on sharpening expenses. Each tip is silver brazed for a lasting bond. .008-in. clearance on side of blade.

Cat. No.	Diam., in.	Hole, In.	Wt.	Ea.
84 A 6993D	6 in.***	$\frac{1}{2}$ sq.	10 oz.	\$7.94
State	$6\frac{1}{4}$ in.**	$\frac{3}{8}$, $\frac{1}{2}$ rd.	12 oz.	7.94
diam., size	7 in.*	$\frac{1}{2}$ sq., $\frac{5}{8}$ - $\frac{1}{2}$ rd.	12 oz.	8.50
of hole	$7\frac{1}{4}$ in.**	$\frac{3}{8}$ - $\frac{1}{2}$ rd.	1 lb.	8.91
	8 in.***	$\frac{1}{2}$ sq.	1 lb.	8.91
	$8\frac{1}{2}$ in.***	$\frac{3}{8}$ - $\frac{1}{2}$ rd.	1 lb.	9.89

47 POW-KRAFT Krome-A-Loy Combination Hand Saw Blades. Fine all-around blades. Keep cutting edge 3 to 5 times longer. Flat ground.
84 A 6990 D—State diam., size and shape of hole.

Diam.	Hole, In.	Fits Saws	Wt.	Each
$4\frac{1}{4}$ in.	$\frac{1}{2}$ rd.	***	4 oz.	\$1.49
6 in.	$\frac{1}{2}$ sq.	***	6 oz.	1.94
$6\frac{1}{4}$ in.	$\frac{1}{2}$ sq.	***	6 oz.	1.94
$6\frac{1}{2}$ in.	$\frac{5}{8}$, $\frac{1}{2}$ rd.	B&D U-63, **	8 oz.	1.94
7 in.	$\frac{1}{2}$ sq., $\frac{5}{8}$ - $\frac{1}{2}$ rd.	*	12 oz.	2.25
$7\frac{1}{4}$ in.	$\frac{1}{2}$ sq.	*	12 oz.	2.25
$7\frac{1}{2}$ in.	$\frac{5}{8}$ rd.	B&D U-73	12 oz.	2.25
8 in.	$\frac{5}{8}$, $\frac{1}{2}$ rd.	**	1 lb.	2.25
$8\frac{1}{2}$ in.	$\frac{1}{2}$ sq.	B&D U-83	1 lb.	2.29
		*	1 lb.	2.49

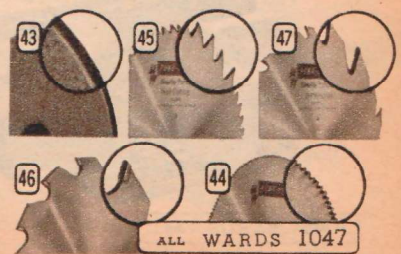
Fits POW-KRAFT, (*) Mall, (**) Pet, (†) Cummins

Dollar Saver

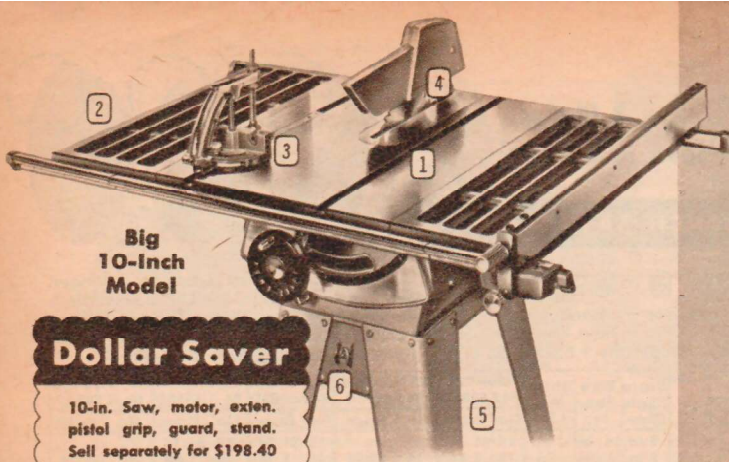
SPECIAL 10% DISCOUNT

Purchase any 3 or more power hand saw blades, (43) to (47), and subtract 10% from the total price.

Save DOLLARS More at WARDS



ALL WARDS 1047



**Big
10-Inch
Model**

Dollar Saver

10-in. Saw, motor, exten.
pistol grip, guard, stand.
Sell separately for \$198.40

Buy Outfit for **\$183.88**

YOU SAVE 14.52

\$5 DOWN • \$6 MONTH

\$101.95
Cash

Greater POWER — WARDS FINEST SAW

- Dual-Belt drive delivers more HP to blade—faster cutting action
- Huge 15 $\frac{3}{8}$ -inch work surface in front of blade—industrial capacity
- Automotive-type double row ball bearings are lubricated for life

1 Professional-Quality 10-in. Tilting Arbor Model with exclusive Powr-Kraft features—PLUS—many other time-and-work saving conveniences. Massive, heavy-duty construction for less vibration, greater accuracy, longer life. With 10x $\frac{3}{8}$ -inch all-purpose blade, motor mount, rip fence, miter gauge, machine and motor pulleys, two matched 32-inch V-belts. *Not Mailable.* See specification table below. *Guaranteed 1 year.

84 A 3333 R—Saw described above. Wt. 128 lbs. \$5 Down. Cash **\$101.95**

Saw with $\frac{3}{4}$ -HP 3450 RPM Ball Bearing Capacitor Motor. *Not Mailable.*

84 A 3338 R—Ship. wt. 151 lbs. \$5 Down, \$7 a month. Cash **\$131.44**

Dollar Saver Complete 10-in. Saw Outfit. Includes: saw (1), $\frac{3}{4}$ -HP 3450 RPM capacitor motor, 2 table extensions, miter gauge, pistol grip, saw guard, stand. Just set it up and plug it in. Order on-off switch (6) below.

84 A 2254 R—Ship. wt. 232 lbs. *Not Mail.* \$5 Down, \$9.50 Month. Cash **\$183.88**

POWR-KRAFT 10-inch Saw Specification Table

Depth of Cut, Max. 3 $\frac{1}{2}$ in.	Table size with extension ... 40x27 in.
Depth of Cut at 45° ... 2 $\frac{3}{8}$ in.	Double Motor Pulleys (incl.) ... 2x $\frac{3}{8}$ in.
Blade Tilt, Max. 45°	2 Matched "V" Belts (incl.) ... $\frac{1}{2}$ x32 in.
Main Table Size ... 20x27 in.	Arbor Speed Recommended 3450 RPM

2 Table Extensions for saw (1). With fence bars. Each 10x27 inches. 84 A 3334 MB—Wt. 23 lbs. *Mail.* **\$14.23**

Table Inserts. Use for dado cutting up to 1 in. thick and for molding cutter (40) on Page 1047. Wt. ea. 1 lb. 84 A 3336—Dado Cutting. **\$1.89**
84 A 3337—Molding Cutting. **\$1.89**

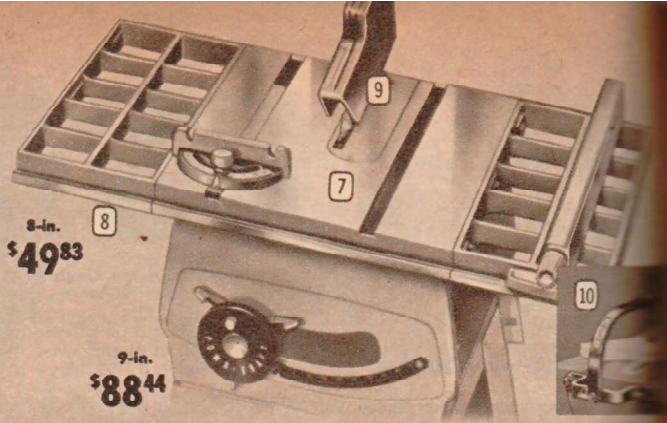
3 Pistol Grip Attachment. For 9-in. and 10-in. Powr-Kraft Saws. 84 AP 3444—Postpaid. **\$9.95**

4 Saw Guard, Splitter for saw (1). 84 A 3335—Wt. 3 $\frac{1}{2}$ lbs. *Mail.* **\$12.25**

5 Stand for 3 saws listed on this page. Heavy-gauge rigid all-steel construction prevents vibration. Includes: 4 mount. rails. Size: 22x19x24 in. *Mailable.* 84 A 2937 MB—Wt. 25 lbs. **\$12.44**

6 On-Off Switch for all saws on this page. Can be padlocked. 84 AP 3381—Postpaid. Only **\$4.45**

***GUARANTEE.** All POWR-KRAFT power tools are guaranteed one year from date of purchase against defects in workmanship and materials, and will be repaired or replaced free if found defective within that period.



POWR-KRAFT 8 in. and 9 in. Saws with PLUS FEATURES

7 POWR-KRAFT 8-in. Tilting Arbor Saw. Has features of more expensive saws plus self-squaring rip fence that locks front and rear with 1 knob, single knob control for raising, lowering, tilting blade, lubricated for life ball bearings, full 8 $\frac{1}{2}$ -in. table area in front of blade. Incl.: motor mount, miter gauge, rip-fence, all-purpose blade. See specification table below. 84 A 3331 MO—Wt. 59 lbs. \$5 Dn. Cash **\$49.83**

8-in. Saw (7) with $\frac{1}{2}$ -HP 1750 RPM Ball Bearing Capacitor Motor. 4-in. pulley, "V"-belt. \$5 Down, \$5 Month.

84 A 3347 YO—Wt. 86 lbs. ... Cash **\$75.66**

Complete Saw Outfit. Incl.: saw (7), (5), 2 table extensions, guard, motor "V" belt, $\frac{1}{2}$ -HP 1750 cap. motor. \$5 Down. 84 A 2251 YO—Wt. 140 lbs. ... Cash **\$131.44**

8 Table Extensions for (7). Size: 7x17 in. 84 A 3343—Ship. wt. 13 lbs. Each **\$14.23**

9 Saw Guard, Splitter. Tilts with blade. 84 A 3476—Wt. 3 lbs. 8 oz. ... **\$1.89**

Dado Insert for (7). For dados 1 in. thick. 84 A 3340—Ship. wt. 5 oz. ... Only **\$1.89**

Molding Insert for (7) and standard heads. 84 A 3341—Ship. wt. 5 oz. ... Only **\$1.89**

Specifications	8-in. Saw	9-in. Saw
Depth of Cut, Maximum	2 $\frac{1}{2}$ inch	3 $\frac{1}{4}$ inch
Depth of Cut at 45°	1 $\frac{3}{4}$ inch	2 $\frac{3}{8}$ inch
Blade Tilt, Maximum	45°	45°
Control, Tilt and Raise	1 front knob	1 front knob
Blade Size, Diameter	8 inch	9-inch diam.
Main Table Size	14 x 17 in.	17 x 20 in.
Table Size, with extensions	28 x 17 in.	24 x 20 in.
Distance ahead of blade	8 $\frac{1}{2}$ in.	11 in.
Rip Fence	self-aligning	self-aligning
Base Dimensions	12 $\frac{3}{8}$ x 15 $\frac{1}{2}$ in.	12 $\frac{3}{8}$ x 15 $\frac{1}{2}$ in.
Saw Arbor Size	$\frac{5}{8}$ in.	$\frac{5}{8}$ in.
Dado Recommended	84 AP 3300	84 AP 3300
Arbor Speed Recommended	3450 RPM	3450 RPM
Motor Pulley Recommended	4 inch	4 inch
Motor Recommended	$\frac{1}{2}$ HP, 1750 RPM	$\frac{3}{4}$ HP, 1750 RPM

7 POWR-KRAFT Big Capacity 9-in. Tilting Arbor Saw. More cutting capacity than any other 9-in. saw we know of ... as much as some 10-in. saws. Built to rigid industrial standards for precision work in professional, home workshops.

Cuts to 3 $\frac{1}{4}$ in. at 90°, to 2 $\frac{3}{8}$ in. at 45°. Versatile—saw, dado, sand, mold. Double row lubricated for life ball bearings. Single-knob control raises, tilts blade up to 45°, locks tightly at desired setting. Tilt and raise mechanism are self-cleaning. Includes: all-purpose blade, motor-mount, rip-fence, miter gauge, machine, motor pulleys, "V" belt. Accommodates on-off switch, stand, miter gauge, pistol grip. *Guaranteed. See specification table above. *Mailable.* \$5 Down, \$5 Month.

84 A 3486 MO—Wt. 68 lbs. ... Cash **\$88.44**

9-in. Saw With $\frac{3}{4}$ -HP 1750 RPM Cap. Motor. 84 A 3487 YO—Ship. wt. 98 lbs. Cash **\$131.44**

Complete Saw Outfit. Includes: (84A3486), $\frac{3}{4}$ -HP motor, belt, pulleys. Accommodates on-off switch. 2 table extensions, saw guard, miter gauge, pistol grip. \$5 Down. \$8.50 Month on Terms. 84 A 3489 YO—Wt. 168 lbs. ... Cash **\$131.44**

Dado Insert for dados up to 1 in. 84 A 3482—Ship. wt. 4 oz. ... Only **\$1.89**

Molding Insert for standard heads. 84 A 3483—Ship. wt. 4 oz. ... Only **\$1.89**

Saw Guard and Splitter for 84 A 3486. 84 A 3476—Wt. 3 lbs. 8 oz. ... **\$1.89**

Table Extensions for 84 A 3486. Wt. 13 lbs. 84 A 3478 M—Size: 8 $\frac{1}{2}$ x20 in. ... Each **\$14.23**

10 New Circle Jig. Converts any $\frac{1}{2}$ -in. or $\frac{3}{8}$ -in. arbor table saw to jig saw in about 2 minutes. Standard blades. Cuts to center of 16-in. to 24-in. board; stock to 2 $\frac{3}{4}$ in. thick. 84 A 2398—Blade rotates 90° for lengthwise use. Shipping wt. 3 lbs. 3 oz. ... Only **\$1.89**

Saw-Jointer Combination

11 POWR-KRAFT 10-inch Saw-Jointer. Save Money ... 1 stand and 1 motor operate both tools at the same time. *Save Space* ... have both tools on one stand. *Save Time* ... both tools operate at same time—No shifting of motor. Incl.: Saw (1), Jointer (12), Stand (5), adapter kit (84 A 3339M), 1 table extension and heavy-duty $\frac{3}{4}$ -HP ball-bearing capacitor motor. *Not Mailable.* *Guaranteed. \$10 Down, \$10.50 a Mo. 84 A 3305 R—Shipping wt. 264 lbs. ... Cash **\$204.88**

10-inch Adapter Kit. Makes a saw-jointer from your 10-inch saw with stand and jointer (12). No extra motor or extra stand needed. Includes: Stand extension, jointer brackets and belt, 2 pulleys, shaft extension and pulley guard. *Mailable.* 84 A 3339 M—Shipping wt. 18 lbs. ... Only **\$16.50**

Save \$12.23 on 9 inch Saw-Jointer. Includes: Saw (84 A 3486), Jointer (12), Stand (5), adapter kit (84 A 3349M), 1 table extension and $\frac{3}{4}$ -HP, 1750 RPM motor. Separately \$209.11. *Not Mail.* \$5 Down. 84 A 3497 R—Shipping wt. 204 lbs. ... Cash **\$196.88**

9-inch Adapter Kit. Includes: Stand extensions, jointer brackets and belt. With two pulleys, motor shaft extensions. *Mailable.*

84 A 3349 M—Shipping wt. 17 lbs. ... Only **\$15.95**

4-in. Jointer-Planer

12 POWR-KRAFT Big Capacity Jointer has micro-adjustment ... not often found on 4-in. jointers. Handles almost all materials used in production. Rugged cast-iron base reduces vibration. Precision ground tool steel blades. Safety guard covers blade. 84 A 2514 MO—Wt. 47 lbs. \$5 Month. ... Cash **\$49.83**

Save \$5.33 on Jointer Outfit. Includes: Jointer (12), $\frac{1}{2}$ -HP, 1750 RPM split-phase motor, belt, 5-in. pulley. 84 A 2500 YO—Ship. wt. 66 lbs. *Mail.* ... Cash **\$94.44**

Complete Jointer Outfit. Includes: Jointer (12), $\frac{1}{2}$ -HP, 1750 RPM split-phase motor, belt, 5-in. pulley, heavy-gauge steel stand. \$5 Down, \$5 Month. 84 A 2501 YO—Ship. wt. 103 lbs. *Mail.* ... Cash **\$94.44**

JOINTER SPECIFICATION TABLE

Width of Cut.	4 inches
Maximum depth of cut (single pass) ...	1 $\frac{1}{2}$ inch
Cutter blades.	Two, Tool Steel
Table.	25x4 in. Cast Iron
Fence Tilt.	45° in both directions
Bearings.	Grease sealed
Rabbeting arm width.	1 $\frac{1}{2}$ inch
Jointer Pulley (included).	2-inch
Motor Pulley Recommended.	5-inch
Motor Recommended.	$\frac{1}{2}$ -HP, 1750 RPM
Size overall.	29x9 $\frac{1}{2}$ x7 $\frac{1}{2}$ in.
Fence.	18 $\frac{1}{2}$ x2 $\frac{1}{2}$ in. Cast Iron



\$10 Down
\$204.88

\$5 Down
\$48.83

12 1/2-in. Drill Press \$58.44

- Precision-sealed ball bearing spindle, lubricated for life
- Exclusive safety head support; spins 360°, can't drop
- Exclusive dial-type depth indicator for faster operation
- Spindle accurate to .005 in.; genuine Jacobs chuck

POW-KRAFT Drill Press. Quick speed changes, 4 speeds—800, 1100, 1750, 2800 RPM. Rugged heavy-duty construction throughout. Functional design makes every job easier to do.

8—Ship. wt. 79 lbs. \$5 Down, \$5 Month.Cash \$58.44

Drill Press Outfit. Includes drill press, 1/2 HP 1750 RPM motor, stand, pulley and belt. Ship. wt. 134 lbs.

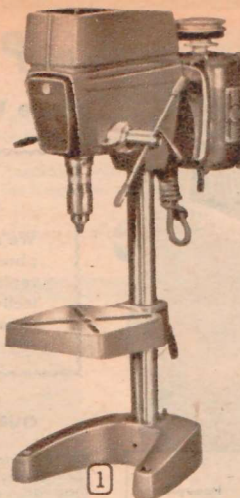
8—\$5 Down, \$5 Month on Terms.Cash \$95.44

Outfit. Like 84 A 2527 R above but without stand.

8—Wt. 98 lbs. \$5 Down, \$5 Month on Terms. Cash \$74.88

DRILL PRESS SPECIFICATIONS

Cast iron, 8x8 in.	Depth of throat. . . . 6 1/4 in.
Chuck to bench. . . . 18 in.	Chuck, Jacobs. . . . 5/8-1/2 in.
3-in. feed with lock	Column. . . . 2-inch diameter
1/2x37 in.	



Powr-Kraft 4-in. Belt Sander

- Takes curved or irregular work
- Fence tilts 45°, removes easily
- Rigid cast-iron construction

Precision Tracking and Tensioning Controls keep belt on 2 1/4-in. diameter drum. 2 1/4x6-in. drum removes for surface sanding. Precision bearings. Platen size 4 1/2x12 in. With mechanical aluminum oxide belt 4x36 in. for wood (extra belts (19) below).

8—Ship. wt. 20 lbs. \$16.96

Sander Outfit. Sander (2), 1/2 HP 1750 motor, stand, belt, pulleys.

8—Wt. 76 lbs. \$5 Down, \$5 Month. Cash \$49.88

Outfit. As above but without stand.

8—Wt. 39 lbs. \$3.50 Down, \$3.50 Month. Cash \$31.66



Adjustable Belt Tensioning

\$16.96

Dollar Saver

Saw, motor, pulley, stand, belt

Sell Separately for \$58.05

Buy Outfit Complete for \$55.44

YOU SAVE \$2.61

- Lubricated for life
- Table tilts 45°
- Chuck rotates 90°



\$24.45
Cash

\$4 MO.

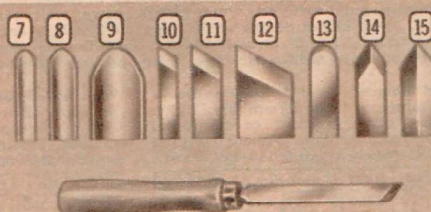
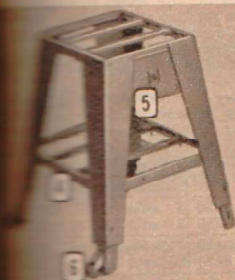
POW-KRAFT 12 1/2-inch Jig Saw. Removable arm provides unlimited sabre sawing. Sealed driving mechanism, permanently lubricated bronze bearings. Built in sawdust blower. Rugged die-cast frame, assures accurate cuts. Designed with top quality features usually found only on more expensive saws. Depth of cut 1 1/2 in.; table 9x9 in. Overall 21x9x15 1/4 in. 5-inch pin end blade. Powr-Kraft Beige finish.

84 A 2392 M—Ship. wt. 14 lbs. Mail. \$2.50 Down.Cash \$24.45

Complete Jig Saw Outfit. Saw (3) with 1/4 HP, 1750 RPM split-phase motor, stand, pulley, belt. Mailable. *Guaranteed one year.

84 A 2394 YO—Ship. wt. 72 lbs. \$5 Down, \$5 Month.Cash \$55.44

84 A 2393 YB—Outfit above less Stand. Wt. 35 lbs.Cash \$8.44



(7) TO (15) Woodturning Chisels. Tool steel, hardwood handles. Wt. 10 oz.

(16) Geared Key Chuck With Key. Ppd. 84 AP 2027—5/8-1/2 in. cap. . . . \$7.94

(17) Endless Wood-Cutting Band Saw Blades.

State 1/4, 3/8, 1/2, or 3/4-in. width.

84 A 2330—60 in. long. Wt. 4 oz. Ea. \$1.19

84 A 2336—78 in. long. Wt. 4 oz. Ea. \$1.17

Blades by the Foot. Add 60c brazing charge per blade. State width, length.

84 A 2331K—Wt. 1 oz. per ft. 1/4 in., 19c;**

1/4 in., 19c; 3/8 in., 20c; 1/2 in., 25c; 3/4 in., 27c;

3/4 in., 29c; 1 in., 29c; 1 1/4 in., 37c; 1 1/2 in., 47c

Metal Cutting Blades by the Foot. Brazing 60c extra. Wt. per ft. 3 oz.

84 A 2333K—1/4 in., 25c; 3/8 in., 27c; 1/2 in., 29c**

****Promptly from Factory near Chicago.**

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes chisels (8), (9), (10), (11) and (13) above.

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes all chisels (7) to (15) shown above except (10).

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes chisels (8), (9), (10), (11) and (13) above.

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes all chisels (7) to (15) shown above except (10).

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes chisels (8), (9), (10), (11) and (13) above.

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes all chisels (7) to (15) shown above except (10).

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes chisels (8), (9), (10), (11) and (13) above.

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes all chisels (7) to (15) shown above except (10).

84 A 2053—Wt. 3 lbs. \$9.98

84 A 2052—Wt. 15 oz. Set \$5.94

8-Pc. Chisel Set. Includes chisels (8), (9), (10), (11) and (13) above.

84 A 2053—Wt. 3 lbs. \$9.98

30-in. Powr-Kraft Wood Lathe

\$47.50

(22)

- Built in grinding wheel sharpens chisels
- Precision ball bearings, lubricated for life

Reverse Taper Spindle takes all **POW-KRAFT** Accessories. 30-in. centers—9-in. swing over ways; 12-in. swing over gap. Speeds—800, 1350, 2200, 3800 RPM. With 8-in. tool rest, 3/8-in. lathe pulley. \$5 Mo.

84 A 2320 MO—46x10x12 1/4 in. Wt. 61 lbs.Cash \$47.50

Complete Lathe Outfit. Lathe (22) plus Powr-Kraft 1/2 HP split phase motor, stand, V-belt, motor pulley.

84 A 2323 YO—Ship. wt. 120 lbs. \$5 Down, \$5 Month.Cash \$81.22

Outfit. Like above but without stand.

84 A 2321 YO—Ship. wt. 82 lbs. \$5 Down, \$5 Month.Cash \$57.44



\$12.88

(23)

Sabre Jet Jig Saw

(23) Built-in Rotary Motor. Saws wood up to 1 1/2 in. thick . . . to center of 19 1/2-in. circle. Table 9x6 3/4 in. 110-120 V., 60 cycle AC motor. With 6 blades, 125 free patterns. Overarm removable, converting jig saw to sabre saw. Steel housing.

84 A 2358—Wt. 7 lbs. . . . \$12.88

9-in. Band Saw

\$49.88

(24) Permanently Lubricated ball bearings. Cuts wood to 4 in. thick, to center 18-in. circle. Table tilts 45°. Adj. blade. 2 large rubber-tired wheels. Wt. 46 lbs. \$5 Down. **84 A 2325 MO.Cash \$49.88**

Complete Band Saw Outfit.

Saw (24) 1/2 HP 1750 split-phase motor, stand (4), belt, pulley. Wt. 105 lbs. \$5 Dn.

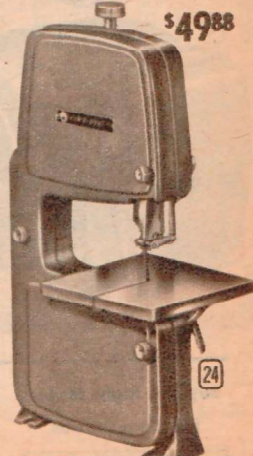
84 A 2327 YO.Cash \$81.22

Band Saw Outfit. Less stand.

84 A 2326 YO—Wt. 68 lbs. \$64.22

BAND SAW SPEC.

Capacity of Throat. . . 9 in.
Depth of Cut. 4 in.
Table—10x10 in., 45° tilt
Blade Length. 60 in.
Takes Blade Widths (1/4 in. incl.) 1/8, 3/16, 1/4, 3/8 in.



(24)

POWER-KRAFT MOTORS

More Working Power . . . for Less Electric Power

★ WARDS SPECIAL MOTOR GUARANTEE

We're so proud of our POWER-KRAFT Capacitor and Split-Phase Motors (1), (2) and (3), and (11) through (17), that we'll replace yours **WITHOUT CHARGE**, should it prove to be defective in materials or workmanship within one year of purchase. It's the strongest guarantee we know of!

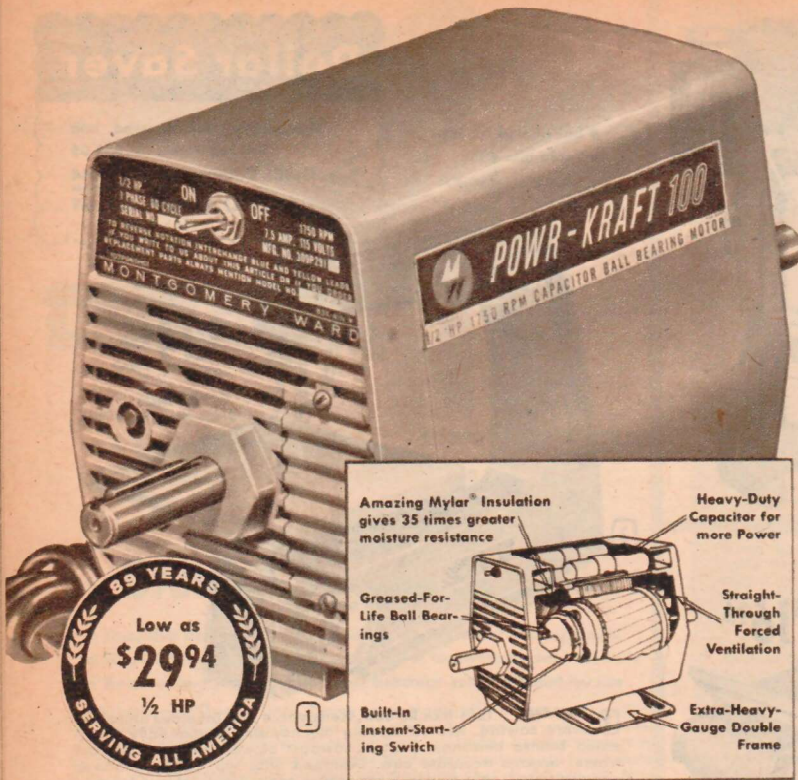
OUR FINEST Ball Bearing CAPACITOR MOTOR

① We Know of None Better! Works harder, lasts longer, looks better than any similar motor we've seen. Full powered, extremely rugged—for hard-starting jobs on power tools, air compressors, sprayers, pumps or to replace other motors. Oversize greased-for-life ball bearings—use motor in any position. Strong MYLAR insulation—8 times stronger than other insulation. Rapid reversing action; forced-through ventilation. Built-in capacitor reduces starting current—can't be accidentally damaged. Streamlined design, winner of Alcoa Award . . .

fits into tight spots. Overload protection. Shuts off motor when overloaded. Meets or exceeds NEMA performance standards. Die-cast aluminum rotor perfectly balanced even torque. Double 5/8-in. keyed shafts—operate 2 tools at one time. Vibration-free. On-off switch. 8-ft. cord, plug. Mounting 4 1/4 in. 110-120 V., A.C.

Cat. No.	HP	RPM	Wt.
83A4545MB	1/2	1750	26 lbs.
83A4546MB	1/2	3450	23 lbs.
83A4547MB	3/4	3450	25 lbs.

JUST SAY "Charge It!" SEE PAGE 1281



Amazing Mylar® Insulation gives 35 times greater moisture resistance

Heavy-Duty Capacitor for more Power

Greased-For-Life Ball Bearings

Straight-Through Forced Ventilation

Built-In Instant-Starting Switch

Extra-Heavy-Gauge Double Frame

Economical Capacitor Motors for Many Uses

- Performance and dimensional specifications meet NEMA standards
- Heavy-gauge frame protects windings and core, keeps bearings aligned
- "Formvar" insulated windings for protection against heat and moisture
- Drip-proof end shields keep sawdust, other foreign matter out of motor

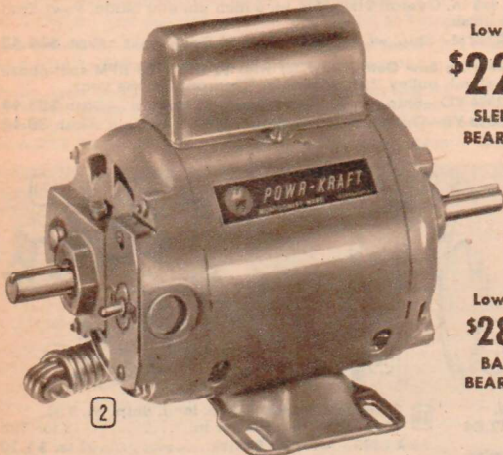
② POWER-KRAFT All-Purpose Capacitor Motors. Large overload capacity—handle tough jobs on air compressors, paint sprayers, water pumps, power tools, etc.; or replace other motors in any position. 5/8-in. keyed double shafts—operate 2 tools at once. Capacitor starts heavier loads with 1/3 less starting current. Straight-through forced ventilation; continuous duty. Electrically dynamically balanced to reduce vibration. Easily reversed. Built-in conduit box. Guaranteed.

② Low Priced Diamond Bored All-position Sleeve Bearings; lubricated for normal life. Nylon thrust washers allow vertical or horizontal mounting. Formvar insulation. Without overload protector, on-off switch or cord. 110-120 V. A.C.

Cat. No.	HP	RPM	Mount. dim.	Lbs.	Price
83 A 4601MB	1/2	1750	3 x 4 7/8 in.	20	\$24.47
83 A 4603MB	3/4	1750	3 x 4 7/8 in.	27	\$29.47
83 A 4605MB	1/2	3450	2 3/4 x 4 1/4 in.	20	\$22.47
83 A 4607MB	3/4	3450	2 3/4 x 4 1/4 in.	22	\$25.50

With Sealed, Greased-for-Life Ball Bearings mounted in any position. Manual reset overload protection. Prevents burnout. Formvar insulation. Separate 8-ft. cord and plug. On-off switch. 110-120 V. A.C.

Cat. No.	HP	RPM	Mount. dim.	Lbs.
83 A 4600MB	1/2	1750	3 x 4 7/8 in.	25
83 A 4602MB	3/4	1750	3 x 4 7/8 in.	28
83 A 4604MB	1/2	3450	2 3/4 x 4 1/4 in.	21
83 A 4606MB	3/4	3450	2 3/4 x 4 1/4 in.	23



Low as \$22.47 SLEEVE BEARING

Low as \$28.94 BALL BEARING

POWER-KRAFT Heavy-Duty MOTORS

NO BRUSHES . . . NO RADIO INTERFERENCE

③ ④ POWER-KRAFT Heavy Duty Capacitor Motors—perfect for hardest starting jobs. Meet NEMA, REA and AIEE specifications. Dependable performance on hard-to-start equipment such as pumps, fans, blowers, compressors, conveyors, machine tools, on farms, in factories, and shops. Precision construction; continuous duty. Will not exceed 40°C. temperature rise under normal operation. Ball bearings sealed and lubricated for life. Can be mounted either vertically or horizontally. Drip-proof. Mylar insulation gives twice the life expectancy of ordinary insulation. Requires low starting current and develops 3 to 4 times the rated torque for starting. Reversible; single key-way shaft. 110-120/220-240 V. (except 5 HP which is 220-240 V. only); single phase, 60-cycle, A.C. 1725 RPM. See Power Co. for information about voltage before ordering.

Heavy Duty Capacitors (3) and (4) are fully guaranteed—will be repaired or replaced FREE if found defective in materials or workmanship within 1 year of purchase date.

	Cat. No.	HP	Shaft Diam.	Mount. Dimensions	Wt. lbs.	Price
(3)	83 A 4630MB	1/2	5/8 in.	3 x 4 7/8 in.	25	\$44.94
	83 A 4631MB	3/4	5/8 in.	3 x 4 7/8 in.	31	\$49.94
	83 A 4641MO	1	7/8 in.	4 1/2 x 7 1/2 in.	56	\$81.87
(4)	83 A 4642R	1 1/2	7/8 in.	5 1/2 x 7 1/2 in.	76	\$108.47
	83 A 4643R	2	1 1/8 in.	5 1/2 x 8 1/2 in.	105	\$140.47
	83 A 4644R	3	1 1/2 in.	7 x 8 1/2 in.	115	\$183.47
	83 A 4645R	5	1 3/4 in.	8 1/4 x 10 in.	185	\$297.00



⑤ Floating Motor Rail with 2 Brackets. Use to operate many tools. Rail bolts to motor brackets near tool. Motor rail rests firmly in brackets.

⑥ 83 A 4741—Extra Brackets for (5). 5 oz.

⑦ Motor Toggle Switches. For motors up to 1/2 HP.

⑧ 83 A 4702—On-off. Fit 1/2-in. hole. Wt. 2 oz.

Replacement On-Off-Reverse Switch.

83 A 4703—Ship. wt. 3 oz.

⑧ Fused 1-Pole Switch. For AC motors, 1/2 HP.

Fits 4-in. square box, Page 1016.

83 A 172—Ship. wt. 9 oz. \$1.09 3

⑨ Fused Polarized Outlet. Up to 3/4 HP, 110-120 V.

83 A 171—Ship. wt. 7 oz. 99c 3

⑩ Fused 1-Pole Switch. For AC motors to 1/2 HP.

83 A 170—Ship. wt. 5 oz. 99c 3

Time Delay Plug Fuses. For (8) to (10). Take overloads. State 4, 6 1/4 or 8 amps.

83 A 771—Ship. wt. 3 oz. 2 for 39c 4

Buy the Right Motor For Your Needs

1050 WARDS BA*

BUYING GUIDE

Split-Phase Motors—for easy starting loads or where maximum load is applied at full motor speed—washing machines, light power tools, fans, furnace blowers, etc.

Mill-Type Capacitor Motors—for medium to hard-starting loads on production and farm equipment.

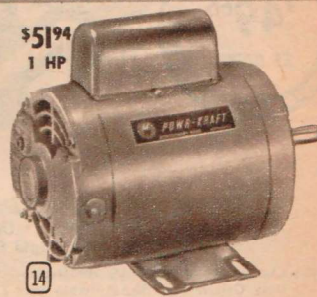
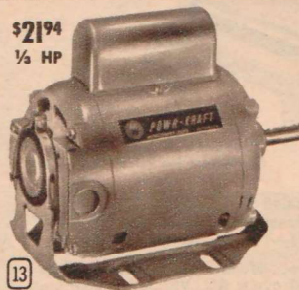
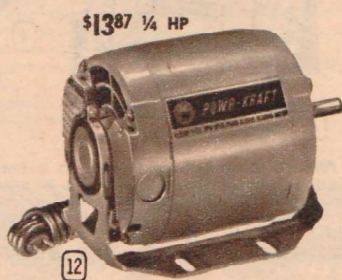
Standard Capacitor Motors—for medium loads, such as heavier power tools, paint sprayers, water pumps, feed mixers, etc.

Heavy-Duty Capacitor Motors—for hard starting loads, such as power compressors, pumps, conveyors, machine tools, etc.

ALL POWR-KRAFT Motors have . . .

6 Big Features

- 1 Heavy-gauge frame to protect windings and core—motor dynamically balanced to reduce vibration
- 2 "Formvar" or "Mylar" insulated windings with baked-on thermo-setting varnish for longer motor life
- 3 Drip-proof end shields to keep foreign matter out of motor.
- 4 Slotted mounting bases to make belt adjustment easier.
- 5 Performance specifications which meet or exceed NEMA (National Electrical Manufacturers' Association).
- 6 Continuous duty; precision-built by one of the nation's foremost manufacturers . . . full "run-in" test at factory.



POWR-KRAFT Split-Phase Motors. For drill presses, jig saws, fans, grinders, belt sanders and easy starting farm machinery. Continuous duty. Heavy steel frame protects all internal parts to minimize vibration. Sleeve bearings; nylon thrust washers. Mount in any position. Greased for life. 1/2-in. shaft. Straight-through forced ventilation keeps motor cool. Mylar insulation for moisture resistance. Over 2 times starting torque. 110-120V., 60-cycle, AC; 1750 RPM. 2 3/4 x 4 1/4 in. dimensions. Mounting bases are slotted for easy installation. Meets or exceeds NEMA (National Electrical Manufacturers' Association) performance specifications. (See top of opposite page).

BASE TYPE. 1/4 HP.
Wt. 18 lbs. \$14.94
Ball Bearing Model.
Wt. 18 lbs. \$19.47

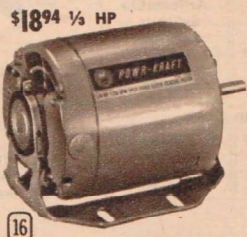
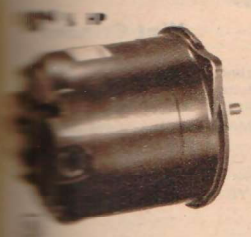
(12) RESILIENT-BASE TYPE. 1/4 HP
Rubber-cushioned base absorbs vibration, thereby reducing noise of operation. Ship. wt. 17 lbs.
83 A 4503M.....\$13.87

(13) POWR-KRAFT 1/2-HP Appliance Type Capacitor. Exceeds NEMA performance standards. High starting torque for stokers, pumps, refrigerators, power tools, etc. Starts about 50% heavier loads than comparable split-phase types. Sleeve bearings, nylon thrust washers, mount any position. Greased for life.

Large oil reservoir. Cradle type resilient base. Built in conduit box. Easily reversed. 3/8 in. keyway shaft. Continuous duty. Mount. dimen. 3x4 3/8 in. 1750 RPM. 110-120 V., 60 cy. AC. Guaranteed.*
83 A 4567MB—Wt. 24 lbs. \$21.94

(14) POWR-KRAFT Heavy-Duty Mill-Type Capacitor. For extra-hard starting jobs. Meets NEMA specs.; exceeds NEMA performance standards. Greased for life sealed ball bearings. Built-in conduit box. Capacitor reduces starting current. Overload protector. Mylar insulation. 3/8-in. diam. keyed single shaft. 1750 RPM, 110-120/220-240 V., 60-cyc., AC. Wt. 39 lbs.
83A4625MB—1 HP. Guaranteed.* Mount. dimen. 3x4 3/8 in. \$51.94

POWR-KRAFT High-Speed Mill-Type Capacitors. For medium to hard starting loads. Greased for life sealed ball bearings. Overload protector. Mylar insulation. Built-in conduit box. For 110-120/220-240 V., 60-cycle, A.C. 3450 RPM. Mounting dimensions 3x4 3/8 in. 3/8-in. keyed double shaft. 8 ft. cord, plug.
83 A 4626MB—1 HP. Ship. wt. 28 lbs. \$4 Down. . . .Cash \$39.94
1 HP. Like above, with sleeve bearings, no overload protector.
83 A 4627MB—No cord and plug. Ship. wt. 28 lbs. . . . \$33.94
1 1/2 HP. Same as 83 A 4626MB except has keyed single shaft.
83 A 4628MB—No cord and plug. Ship. wt. 38 lbs. . . . \$58.47

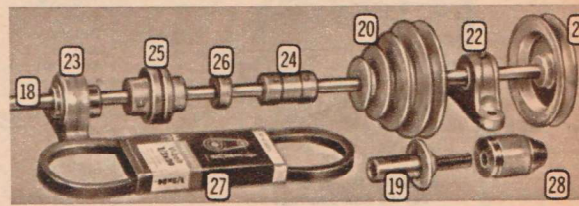


Replacement Motors . . . Make The Change In Minutes

Blower Motor. 1/4 HP, 1725 RPM, split-phase; 110-120 V., 60 cycle AC. Replaces 58 frame 1/4, 1/2, and 3/4-HP oil motors. Operates on 110-120 V., 60 cycle, AC. Mounting enclosed. Push-button for instant change. Manual reset Thermal overload protector. Shaft is 1/2 in. diameter and flattened. Terminals in conduit box. Mounting bases are slotted for easy installation. Wt. 18 lbs. \$18.94

(16) Furnace Blower and Fan Motor. 1/2-HP, 1725 RPM, 110-120 V., 60 cycle AC. Split-phase sleeve bearing type. Replaces 58 frame 1/4, 1/2, and 3/4-HP motors, Furnace, attic, window blower. Rubber-mounted, cradle type base. Automatic reset overload protector. Rotation can easily be reversed. Single shaft is 1/2-in. diameter and flattened. Smooth, trouble-free operation. Mount. dimensions 3x4 3/8 in. 83 A 4516MB—Shipping wt. 21 lbs. . . . \$18.94

(17) Two-Speed Summer Cooling Fan Motor. 1/2 HP, split-phase model. Operates at either 1140 or 1725 RPM. Pre-lubricated precision sleeve bearings. Cradle type resilient base with rubber rings for quiet operation. Push-pull leads enable rotation to be changed quickly and easily. 1/2-in. diameter flattened shaft is micro-ground to eliminate vibration. 110-120 V., 60-cycle AC. Mounting bases are slotted for easy installation. Mount. Dimensions 3x4 3/8 in. 83A4512MB—Wt. 21 lbs. \$22.94



- (18) Steel Line Shafting.** For transmission set-ups.
87 A 7241—1/2 x 24 in. Ship. wt. 1 lb. 8 oz. . . . 78c
87 A 7242M—3/8 x 36 in. Ship. wt. 4 lbs. . . . \$1.97
(19) Motor Arbors. 1/2-in., 24-thread spindle. With set screws.
84 A 2915—For 1/2-in. diameter shafts. Ship. wt. 10 oz. . . . \$1.29
84 A 2916—For 3/8-in. diameter shafts. Ship. wt. 10 oz. . . . 1.29
(20) 4-Step V Pulleys. Die cast. 4, 3 1/4, 2 1/2, 1 3/4 in. steps.
84 A 2895—Wt. 1 lb. 8 oz. State 1/2, 3/4, 1 in. bore. . . . \$1.49
(21) Single Groove V Pulleys. Fit belts 3/8, 1/2 in. wide, 1 1/2-4 in. webbed. 5, 6-in. ribbed spokes. (*) items set screw; others keyway slot, setscrew.
89 A 9960—State diameter and bore size.

Diam.	Bore, In.	Wt.	Ea.	Diam.	Bore, In.	Wt.	Ea.
1 1/2 in.	1/2*	4 oz.	37c	3 in.	1/2*, 5/8, 3/4	10 oz.	66c
1 3/4 in.	5/8*	4 oz.	45c	4 in.	1/2*, 5/8, 3/4	12 oz.	88c
2 in.	1/2*, 5/8	6 oz.	55c	5 in.	1/2*, 5/8, 3/4	1 lb.	\$1.17
2 1/2 in.	1/2*, 5/8, 3/4	8 oz.	58c	6 in.	1/2*, 5/8, 3/4	1 1/4 lb.	1.37

(22) Pillow Blocks, Die-Cast Couplings, Shaft Collars. Pillow block (22) has bronze bearings, (23) has ball bearings.

State Cat. No. and Arbor Hole Size			1/2-in. Hole		5/8-in. Hole	
Description	Cat. No.	Wt.	Each	2 for	Each	2 for
(22) Pillow Block	87 A 7221	10 oz.	\$1.37	\$2.59	\$1.37	\$2.59
(23) Pillow Block	87 A 7243	1 lb. 2 oz.	3.35	6.35	3.45	6.99
(24) Solid Coupling	87 A 7240	4 oz.	58c	1.10	58c	1.10
(25) Flex. Coupling	87 A 7239	5 oz.	81c	1.52	81c	1.52
(26) Shaft Collars	87 A 7222	3 oz.	26c	49c	26c	49c

(27) Rubber V Belts. "A" section type 3/32 in. thick, 1/2 in. wide. Rayon, rubber, and cotton. For size, measure outside of pulleys.
89 A 9951—State size. Wt. each 8 oz.

Size	Ea.	Size	Ea.	Size	Ea.	Size	Ea.	Size	Ea.
20 in.	54c	28 in.	65c	35 in.	68c	40 in.	78c	46 in.	88c
22 in.	56c	30 in.	65c	36 in.	76c	41 in.	78c	48 in.	88c
23 in.	58c	31 in.	65c	37 in.	76c	42 in.	78c	50 in.	88c
24 in.	56c	31 in.	65c	37 in.	76c	44 in.	85c	51 in.	89c
25 in.	56c	32 in.	68c	38 in.	76c	44 in.	85c	51 in.	89c
26 in.	56c	34 in.	68c	39 in.	78c	45 in.	85c	52 in.	89c

Rubber V Belts. "O" section type. 1/4 in. thick, 3/8 in. wide.
80 A 9950—State size. Wt. each 6 oz.

Size	Ea.	Size	Ea.	Size	Ea.	Size	Ea.	Size	Ea.
28 in.	55c	33 in.	65c	36 in.	68c	39 in.	72c	42 in.	82c
30 in.	58c	34 in.	65c	37 in.	68c	40 in.	72c	43 in.	82c
32 in.	65c	35 in.	68c	38 in.	72c	41 in.	76c	44 in.	82c

(28) 3-Jaw Chucks. For 1/2-in., 24-thread spindles. State size.
84 A 2764—1/4 in. Ship. wt. 3 oz. . . . 89c; 1/2 in. Wt. 10 oz. . . . \$1.29



Extra-Heavy-Duty Construction Mandrels and Flexible Shaft

Type of Mandrel	Size inches	Threads inches	Weight lbs. oz.	Price
High Speed Ball Bearing Mandrel. 24 threads. 1/2 in. State size.	9 1/2 x 1/2	1/2	4 8	\$5.88
	12 x 5/8	5/8	4 8	6.84
Flexible End Mandrel. 1/2 in. State size.	9 x 1/2	1/2	3 10	4.22
	12 x 5/8	5/8	4 4	4.38
Ball Bearing Mandrel. 24 threads. 1/2 in. State size.	10 x 5/8	1/2	3 8	5.68
	10 1/2 x 5/8	5/8	3 8	5.78

(32) 50-in. POWR-KRAFT Flexible Shaft. torque release clutch. 1/2 in., 24 thread Spindle. 5/8 in. core.
84 A 2895—Ship. wt. 6 lbs. . . \$15.25

(33) 36-in. Flexible Extension for (32). 84A2696—Mail. Wt. 3 lbs. \$6.35

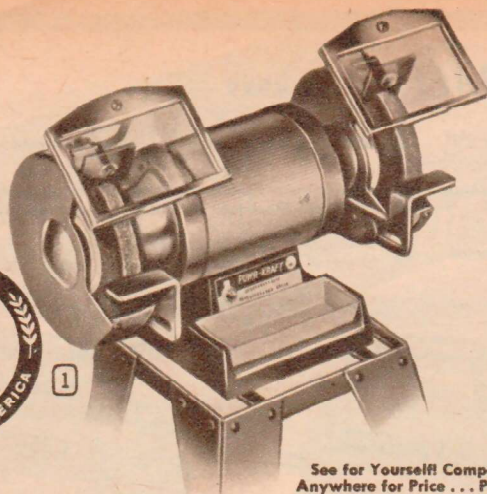
48-in. Flexible Shaft (not shown). 1/2-in., 24-thread spindle.
84 A 2692—Wt. 5 lbs. 8 oz. . . \$12.88
Safety Link for 84 A 2692 above.
84 A 2693—Ship. wt. 1 oz. . . . 58c

USE YOUR CREDIT . . . SEE PAGE 1281 FOR DETAILS.

BA WARDS 1051



1/2-HP

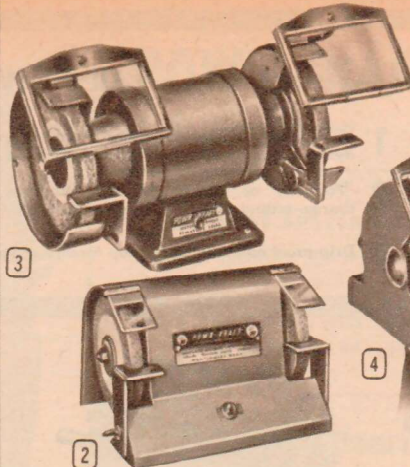


See for Yourself! Compare Anywhere for Price... Power

- Runs Smoothly on Precision, Sealed Ball Bearings
- Ideal for Industry... Use for Heavy Shop Work
- U.I. Approved to Rigid Standards—*Guaranteed

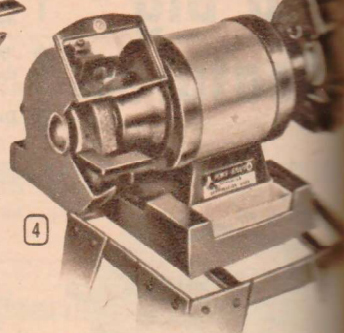
1 Choose **POWER-KRAFT** 1/2 HP Heavy-Duty Grinder for dependable production work. Enclosed 1/2-HP 3450 RPM Split-Phase motor has Formvar insulation, 1/2-in. wheel arbor. Convenient on-off toggle switch. 11 1/4 in. distance between wheels. Heavy cast-iron base has non-rusting water pot. Enclosed wheel guards. Adjustable safety glass shields and tool rests protect you. Motor operates on 110-120 volt 60 cycle AC. Vitrified aluminum oxide wheels measure 6x3/4 in. One is 60 grit, the other 36 grit. Grinder has 10-ft. 3-wire cord and plug. Ship. wt. 43 lbs., Mailable; with stand 77 lbs. Not Mailable. Only \$5 Down, \$5 Monthly.

84 A 5141 MO—Grinder..Cash \$49.66
84 A 5144 R—With Stand.... 66.44



2 **POWER-KRAFT** Home-Shop Grinder at a low price. 2 wheels 4 1/2 x 1/2 in., 60 grit, 30 grit. 1/2-in. arbor, 110-120 v. AC 3500 RPM motor. Bronze bearing shields, adjustable tool rests. On-off switch, 6-ft. 3-wire cord.
84 A 5139 MB—Wt. 15 lbs..... \$19.88

3 **POWER-KRAFT** 1/2-HP Utility Grinder. Fully enclosed split-phase 3450 RPM motor. 10 1/4 in. wheel arbor, 10 1/4 in. between wheels. Steel guards, adjustable tool rests and safety glass shields. 2 vitrified aluminum oxide wheels 6x 1/2 in., 60 grit and 36 grit. 110-120 v. AC, 3-wire cord and plug, on-off switch.
84 A 5140 MB—Wt. 34 lbs. \$4 Down, Cash \$36.74



4 **POWER-KRAFT** 1/2-HP Heavy-Duty Grinder. For ALL grinding needs. 3450 RPM motor with Formvar insulation, sealed ball bearings. Precision ground steel shaft, 3/8-in. arbor. Two 7x1 in. wheels and 60 grit. Cast-iron base, water pot, on-off switch. Wheel guards have dual exhaust ports. Adjustable eye shields. Operates on 110-120 V., AC, 3-wire plug. Ship. wts. 87, 119 lbs.
84A5142R—Grinder only \$59.99
84A5145R—Grinder, stand \$84.99

Rugged Belt-Driven Bench Grinders

5 Ball Bearing Bench Grinders. 5-in. for general use, 6-in. for heavy-duty use, 8-in. for extra-heavy duty. All have 2 vitrified wheels (36 and 60 grit), tool rests and wheel guards. Mailable.

	5-in. Grinder	6-in. Grinder	8-in. Grinder
2 Wheels.....	5x1-in.	6x1-in.	8x1 1/4-in.
Shaft.....	5/8x9 1/8-in.	3/4x11 1/4-in.	1x16 3/4-in.
Arbor.....	1/2-in.	5/8-in.	3/4-in.
Tool Rest.....	Solid	Adjustable	Adjustable
Base.....	4x5-in.	4 3/4x6 3/4-in.	6x9 1/2-in.
Pulley.....	2-in.	2-in.	2 3/8-in.
Cat. No.....	84 A 5151 MB	84 A 5154 MB	84 A 5157 MO
Ship. wt.....	13 lbs.	22 lbs.	43 lbs.
Price.....	\$9.95	\$15.66	\$25.97

Complete Grinder Outfits. With motor, pulley, belt.

Cat. No.....	84 A 5152 YB	84 A 5155 YB	84 A 5158 YO
Motor.....	1/4 HP	1/2 HP	1/2 HP
Ship. wt.....	34 lbs.	43 lbs.	63 lbs.
Price.....	\$24.88	\$29.95	\$49.88



\$15.97

Wet Grinder

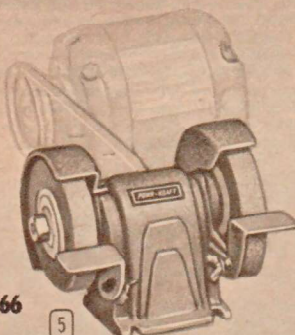
6 Belt-Driven Wet Grinder. 10 1/2 in. sandstone wheel. Cast-iron frame. 3450 RPM in water. Wheel guards, tool rests. 84 A 5285 MB—Wt. 31 lbs. Mailable. \$15.97

COMPLETE OUTFIT. Wet grinder (6) above 1/4-HP motor, pulley and belt. Mailable. 84 A 5286 YB—Ship. wt. 50 lbs. \$29.99

\$15.66
6-in.

5

Precision Made, Grease Sealed Ball-Bearings



7 Hand Grinder. Steel alloy gears. 5x1-in. 80-grit vitrified wheel. 84 A 5250—Bronze bearings. Ship. wt. 5 lbs..... \$3.95

8 Polishing Head. Ht. to spindle center 5 in. Use 1725 RPM motor. 84 A 2765—Takes accessories 1/2-3/4 in. thick. Wt. 4 lbs.... \$3.27

9 Hex Wheel Dresser. With 2 sets high carbon steel cutters. 84 A 5229—Wt. 2 lbs. Trues, shapes, removes glaze..... \$1.39
84 A 5231—Extra cutters for (9). Ship. wt. 8 oz. 4 sets..... \$9c

10 1/2-Carat Diamond-Tipped Wheel Dresser. Insulated handle. 84 A 5237—Ship. wt. 8 oz. 3/8-in. shank..... \$5.75

11 Sickle Grinding Wheels. 46 grit vitrified alum. oxide. Arbors are 1/2, 3/8 or 3/4 in. State wheel and arbor sizes. 84 A 5215—Wt. 5 lbs. 4 1/2 x 3 1/2 in. \$1.74; 5 1/2 x 3 1/2 in. \$2.44

12 **POWER-KRAFT** Vitrified Wheels. Aluminum oxide abrasive. Dress finished on sides and face. Wheel sizes 4, 5, 6, 7, 8 and 10 in. have 1-in. center hole with choice of 1/4, 3/8, 1/2, 5/8, 3/4-in. bushing; 12 and 14-in. wheels have 1 1/2-in. center hole with choice of 3/4, 1-in. bushing; 8-in. or larger wheels will be leaded to exact shaft size, if specified. State diam., thickness, shaft size.

Diam. and Thickness	Ship. wt.	Extra Fine	Fine	Med. Fine	Medium Coarse	Coarse
		200-Grit 84A5203D	100-Grit 84A5200D	60-Grit 84A5201D	36-Grit 84A5204D	24-Grit 84A5202MBD
4x 1/2 in. 10 oz.		89c	81c	81c		
4x 3/4 in. 1 lb.		98c	93c	93c		
4x1 in. 1 1/4 lbs.		\$1.18	\$1.03	\$1.03		
5x 3/4 in. 1 1/2 lbs.		1.49	1.31	1.31		
5x1 in. 2 lbs.		1.67	1.44	1.44		
6x 1/2 in. 1 1/2 lbs.		1.49	1.32	1.32	\$1.33	
6x 3/4 in. 2 lbs.		1.69	1.55	1.55	1.56	
6x1 in. 3 lbs.		1.95	1.76	1.76	1.76	
6x1 1/4 in. 3 lbs.		2.25	1.95	1.95	1.96	
7x1 in. 3 1/2 lbs.		2.39	2.24	2.24	2.24	
7x1 1/4 in. 4 lbs.				2.34	2.57	
8x1 in. 4 1/2 lbs.			2.65	2.66	2.66	\$2.67
8x1 1/4 in. 6 lbs.			2.95	2.95	3.05	3.04
8x1 1/2 in. 6 1/2 lbs.				3.54	3.54	3.54
10x1 1/2 in. 11 lbs.		Extra-Fine for sharpening;		5.89	5.49	
10x2 in. 15 lbs.		Fine for polishing; Med. Fine		7.48	6.98	
12x1 1/2 in. 17 lbs.		for preparing surfaces; Med.			8.25	
12x2 in. 23 lbs.		Coarse for machine shops;			9.95	
14x2 in. 31 lbs.		Coarse for stock removal.			13.98	

*GUARANTEED ONE FULL YEAR

All **POWER-KRAFT** power tools are guaranteed one year and will be repaired or replaced free if found defective within that period.

13 Saw Gunning, Cut-Off Wheels. 60-grit alum. oxide. 1-in. hole. 1/4, 3/8, 1/2, 5/8, or 3/4-in. diam. 84 A 5211 D—State diameter and hole sizes.

Size	Wt.	Each	Size	Wt.	Each
6x1/2	2 lbs.	\$1.47	8x1/4	3 lbs.	\$2.27
6x1	2 lbs.	1.77	8x3/8	3 lbs.	2.27
6x3/8	2 lbs.	2.07	10x1/4	3 lbs.	2.27
8x1/8	3 lbs.	1.97	10x3/8	3 lbs.	2.27

14 Polishing Bonnet. Wt. 5 oz. State size.

Cat. No.	Size	Price	Cat. No.	Size	Price
84A2791	4 1/2 in.	79c	84A2793	6 1/2 in.	\$1.29
84A2792	5 1/2 in.	84c	84A2794	7 1/2 in.	\$1.29

15 84 A 2796—2 1/2-in. Cup Bonnet. Wt. 5 oz. Replacement Wheels. Same quality as (12) but arbors leaded to exact size—no bushings needed.

Diam. and Thickness	Arbor Size	Ship. Wt.	60 grit 84A5221	36 grit 84A5222
4 1/2 x 1/2 in.	1/2-in.	1 lb.	\$1.04	\$1.39
5 x 1 in.	1/2-in.	2 lb.	1.44	1.89
6 x 1/2 in.	1/2-in.	2 lb.	1.32	1.77
6 x 3/8 in.	1/2-in.	2 lb.	1.44	1.89
6 x 1 in.	1/2-in.	2 lb.	1.44	1.89
6 x 1 1/4 in.	3/8-in.	3 lb.	1.76	2.27
7 x 1 in.	3/8-in.	4 lb.	2.27	2.89
8 x 1 in.	3/8-in.	4 1/2 lb.	2.64	3.39
8 x 1 1/4 in.	3/4-in.	6 lb.	2.98	3.89
10 x 1 in.	3/4-in.	8 lb.	3.99	5.19

Green Silicon Carbide Wheels. Use for grinding tungsten-tipped tools, masonry drills.

Diam. and Thickness	Arbor Size	Ship. Wt.	60 grit 84A5205	100 grit 84A5206
5x1	1/2 in.	2 lbs.	\$3.29	\$3.39
6x 1/2	1/2 in.	2 lbs.	2.99	2.99
6x 3/4	1/2 in.	2 lbs.	3.44	3.44
6x1	3/8 in.	3 lbs.	3.99	3.99
7x1	3/8 in.	3 lbs.	3.99	3.99

Rubber Bonded Cut-Off Wheels. Cuts steel, etc. 60-grit alum. oxide. Wt. 8 oz. State diam.

84 A 5213 D—6-in. diam. 1/2-in. hole..... \$2.99
8-in. diam. 5/8-in. hole..... \$3.99

1052 WARDS BA

Buy 3—Save 10% More. Order any 3 Wheels, listed under (12), (13) and deduct 10% from total price shown.

Shopsmith Mark 5... 5-Tools-in-1

Only \$10 Down... Cash **\$289⁵⁰**

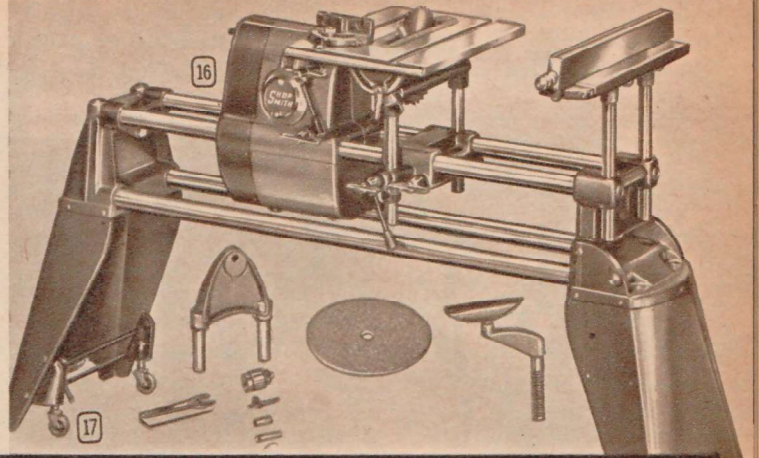
177 Different Jobs with five needed tools—bench saw, sander, lathe, drill press and horizontal drill press. The Shopsmith Mark 5 is a complete workshop in one compact unit. Precision engineered to .002 in. accuracy. 1/2-hp motor, fully enclosed pulley, belt, bench, bench power tools (18) to (22) with Power Mount Coupling listed below.

LIFETIME BALL BEARINGS. Safety switch. Exclusive "Speed-Dial Control" for accurate, infinitely variable speeds from 700 to 5200 RPM for every woodworking operation. Convenient controls let you give full attention to your workpiece. Requires only 19x71-in. floor space.

OUTFIT INCLUDES: bench ends; table extension; 9-in. all-purpose saw; 12-in. arbor; 12-in. sanding disc, sheet; drive, cup centers; tool rest; rip gauge; 1/2-in. Jacobs chuck; owner's guide, instructions. Ready to use. *See Wards power tool guarantee on opposite page.

MOD—Postpaid. \$10 Down. \$14 per month... Now Cash **\$289.50**

Removable Casters. Roll your Shopsmith aside when not in use. Easy to install. 84 AP 3431 M—Postpaid. Set includes two pairs.Set **\$15.95**



20% OFF THE PRICE OF ANY ACCESSORY When You Order the Shopsmith Mark 5

Choose Any of These Tools and Accessories... Deduct 20% When Ordered with (16)

Bearing Jointer. Heavy cast-iron construction. Cuts 4 in. wide and up to 1/2 in. deep. Cutter head 2 1/4-in. diam. Precision adjustment. Table tilts 28-in. work area. Rabbling table 28-in. wide. 3x2 1/4-in. fence adjustable both ways; automatic stops. Fits on rear mount safety guard. Fits on Shopsmiths. \$5 Down. \$5 Monthly. 84 AP 3471 MBD—Postpaid.

MOD—Cash \$64.95

Adapts power tools (18) to (22) to Bench or Sawsmith. Ppd.

MOD—With flexible coupling \$5.95

Belt Sander. Operates horizontal or vertical. Sealed ball bearing drive. Replace bearing idler shaft. 6x9-in. roller gauge slot; tilts either way. Knob tracking control. 6x48-in. grit belt. Fits both Shopsmiths. Postpaid. \$5 Down. \$5 Monthly.

84 AP 3474 MBD—Cash \$59.95

State fine, medium, or coarse.

84 AP 3480 D—Postpaid... Each \$1.29

Ball Bearing Jig Saw. Heavy duty cuts wood, plastics, and metals. Versatile, tool Remove the blade and use as a sabre saw or filer. 1 1/2 in. blade tilts to 45°. Chucks rotate 90°. Adjustable guides. Built-in blower, tenon adjustable. 5-in. blade. Fits both Shopsmiths. Mailed postpaid. Only \$5 Down. \$5 Monthly on Terms.

84 AP 3429 MBD—Cash \$59.95

Cat. No.	Item All Postpaid	Size	Use for	Price
84 AP 3428 D	Tooth Saw Blade	9 in.	Rip, crosscut	\$3.29
84 AP 3429 D	Hollow Ground Blade	8 in.	Cutting plywood	5.74
84 AP 3430 D	Arbor Adapter	1 1/4 in.	9-in. Blades	2.95
84 AP 3477 D	Disc (5/8-in. arb.)	12 in.	Sanding	5.95
84 AP 3480 D	Disc Sandpaper State: Fine, Med., Cse., asstd.	12 in.	Wood sanding	1.98
84 AP 3490 D	Liquid Disc Adhesive	8 oz.	Gluing discs	\$1.65

1/2-in. arbor hole—all others have 1 1/4 in.

Hearts, Mark 5 only. Ppd.

84 AP 3443 D—Shaping. \$2.95

84 AP 3440 D—Dado Slot. 1.95

84 AP 3351 D—Molding. 1.95

Strip Fence. Controls depth of cut for straight edge boards. Fits Mark 5.

84 AP 3425 D—Postpaid. \$15.95

Front Table Extension. Adds 14 in. to Mark 5 saw table.

84 AP 3439 D—Postpaid... \$5.95

Lathe Chisel Set. 5-pc. all sizes for standard operations. Alloy steel. 1-in. skew, 1/4, 3/4-in. gauge, 1/2-in. rnd., 1/2-in. part.

84 AP 3131 D—Ppd. Set of 5 \$9.95

(21) Paint Sprayer for heavy enamel to light lacquer. Diaphragm compressor. Dual-purpose bleeder gun. Adjustable fluid control. Inside, outside spray heads. One 5-ft., one 10-ft. hose with coupling for garden hose attachment. Includes compressor, gun, 1-gal. cup, air nozzle, tire inflator. Pulley on flywheel. Use on both Shopsmiths or Sawsmith. \$5 Down. \$5 Monthly. 84 AP 3472 MBD—Ppd... Cash **\$49.95**

(22) Heavy-Duty 11-in. Band saw cuts stock to 6-in. thick. Adapts to Sawsmiths and Shopsmiths. Adjustable blade guide. Automatic blade tracking. Single control to elevate and lock guide. 141-sq. in. table tilts to 45°. Sealed ball, needle bearings. 1/4x72-in. blade. Only \$5 down. \$5 monthly on convenient terms.

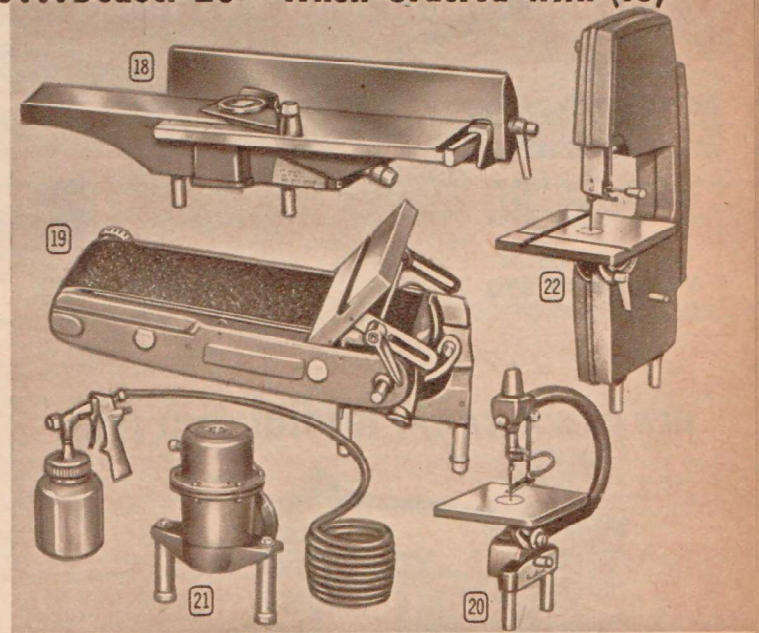
84 AP 3357 MOD—Ppd... Cash \$79.95

Endless Band Saw Blades. For (22). State type desired. Ship. wt. 4 oz.

Cat. No.	Type	Use for	Size	Ex.
84 A All-	Heavy-duty	1/2x72		
2334D Purpose	cutting.	inch		\$1.46
84 A Wood-	1/4-in., larg-	1/4x72		
2334D Cutting	er turns.	inch		1.17

Adjustable Lamp Attachment. On-Off switch. Cord, plug. Easily attached to Jig Saw (20) right or to Shopsmith. Bulb not included. UL Approved.

84 AP 3463 D—Postpaid... \$6.95



Face Plates. Fit Shopsmiths and Powr-Kraft Lathe. Postpaid.

84 AP 2983 D—6-in. diam. 5/8-in. arbor hole... \$4.38

84 AP 2982 D—3 1/2-in. diam. 5/8-in. arbor hole... 2.57

Arbor Assembly. Fits both Shopsmiths, Powr-Kraft drill presses and Powr-Kraft lathe. Mailed Postpaid.

84 AP 2999 D—Takes 5/8-in. bore accessories... \$2.95

Tailstock Live Cup Center. Has ball bearing. Fits Shopsmiths and Powr-Kraft wood lathe. No. 2 Morse Taper shank.

84 AP 3109 D—Mailed postpaid... \$4.95

Screw Center holds small workpieces for hollowing, etc. Fits Shopsmiths and Powr-Kraft lathe.

84 AP 2990 D—Mailed Postpaid... \$2.45

Mortising Attachment. Guides bit and chisel. Postpaid.

84 AP 3450 D—Cuts square holes... \$5.25

COMPLETE JOBS FASTER... EASIER, TOO WITH GENUINE SHOPSMITH ACCESSORIES

Mortising Hold-Down. Adjustable.

84 AP 3451 D—Postpaid... \$3.75

Mortising Chisels. State 1/4, 3/8, 1/2-in. size. Cut square holes.

84 A 3134D—Wt. 4 oz... Each \$2.85

Mortising Bits. State 1/4, 3/8, 1/2 in.

84 A 3135D—Wt. 3 oz... Each \$1.87

Router Chuck. Adds side thrust.

84 AP 3457 D—Postpaid... \$2.95

Router Bits. State 1/4, 3/8, 1/2-in. size. 1/2-in. diam. shank.

84 AP 3136D—Postpaid... Each \$1.57

Sanding Drum. For med. grit. Pstpd.

84 AP 2975D—2 1/4-in. diam... \$3.95

Sand Sleeves. Med. cse., asst. grit.

84 AP 4141D—State grit. Ppd. 6, \$1.45

Scratch, Buffing Wheels

Wire Scratch Wheels. State diam., arbor hole. Wts. 9, 15 oz., 1 1/4 lb.

Arbor Hole	Fine Wire 84 A 2778D	Coarse Wire 84 A 2779D
1/2 in.	96c	69c
3/4 or 5/8 in.	1.44	99c
3/8 or 3/4 in.	2.24	1.74

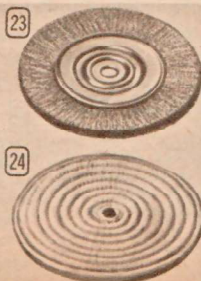
Cloth Buffing Wheels. 1/2-in. arbor.

84 A 2784 D—3/8-in. face. State diam.

12-in. diameter... Each 43c; 3 for \$1.22

14-in. diameter... Each 67c; 3 for 1.96

16-in. diameter... Each 95c; 3 for 2.77



For Fascinating Fun... Make Gems!

(25) New Gem Kit comes with 6-in. diam. diamond wheel; assorted semi-precious stones; 6-in. wood and silicon carbide scratch wheels; 6-in. metal lapping wheel, 6-in. felt polishing lap. No. 100 and 220 grinding compounds; polishing compound; 6 dop sticks; dop cement; 3 brushes. Water feed hose, clamp; lubricant tank. 12-in. alum. tub. 1/4 HP 1750 RPM split-phase motor; 3/8x49-in. "V" belt; 2 1/2-in. motor pulley. Instructions. \$5 Down. \$5 Monthly on Terms.

84 A 2754 YB—Complete kit—Wt. 37 lbs... \$49.88

Kit, Less Motor, Belt, Pulley—Only \$4 Down.

84 A 2753 M—Ship. wt. 19 lbs... Cash \$37.44



\$49.88

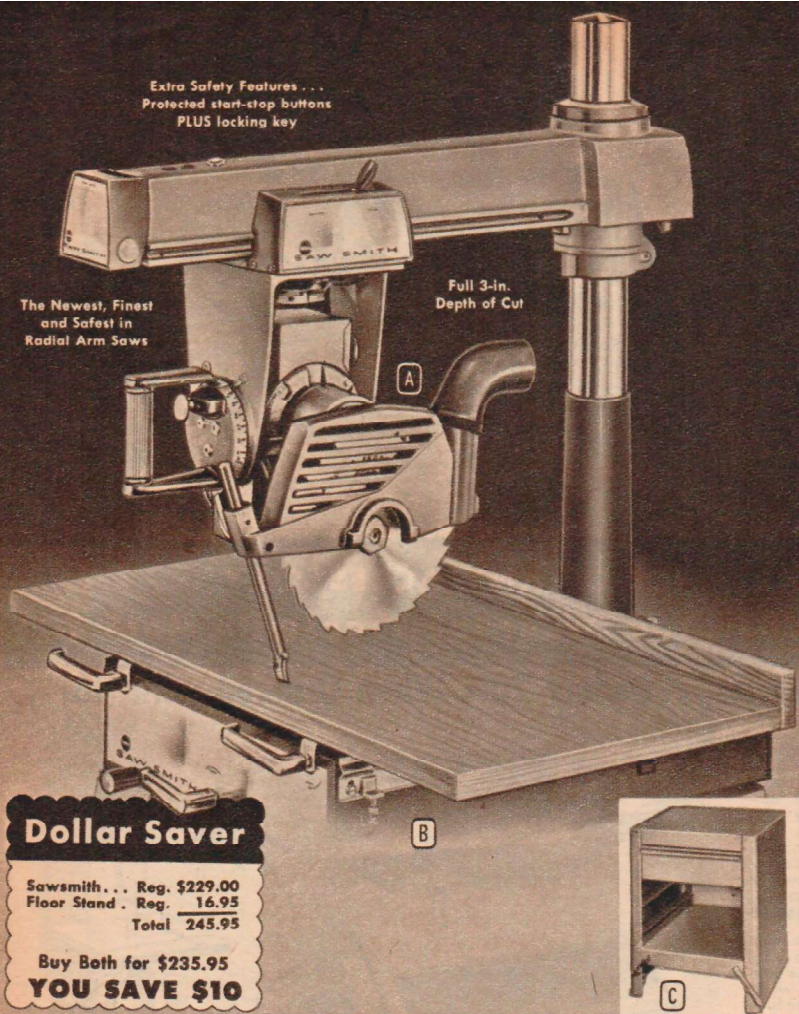
Complete with motor

BAC WARDS 1053

Extra Safety Features...
Protected start-stop buttons
PLUS locking key

The Newest, Finest
and Safest in
Radial Arm Saws

Full 3-in.
Depth of Cut



Dollar Saver

Sawsmith... Reg. \$229.00
Floor Stand... Reg. 16.95
Total 245.95

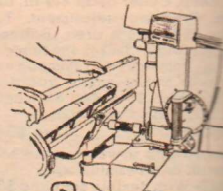
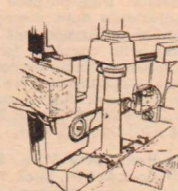
Buy Both for \$235.95
YOU SAVE \$10

SAWSMITH Radial Arm SAW With 9 "Plus" Features

- (1) Variable-Speed Drive. 7 Speeds—1700 to 6300 RPM.
- (2) Cuts Deeply to a Full 3 in. Others cut to only 2½ in.
- (3) Precise Height Adjustment. Elevation graduates by ⅛ in.
- (4) 5 Arm Index Stops. 90-45-0-45-90°. Others stop 45-0-45-90°.
- (5) Motor Tilts 90-45-0-45-90°. Other motors tilt 0-45-90°.
- (6) Out Front Controls. Loosen, lock, locate with one hand.
- (7) Sliding Table covers large working area—26 in. by 36 in.
- (8) Switch-Over Blade. Full table capacity for all miter cut.
- (9) Automatic Coil Cord. Hidden, damage-proof always.

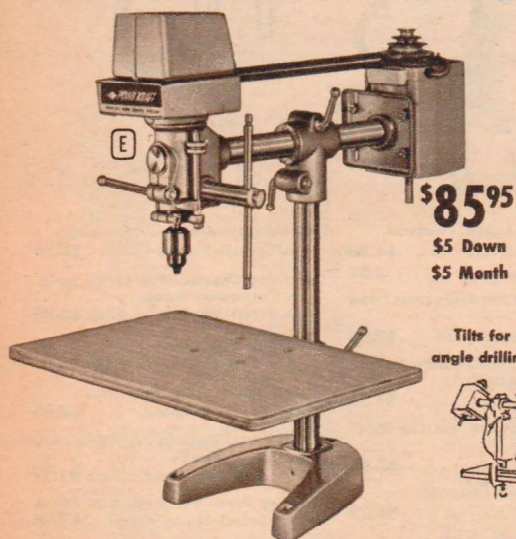
A Sawsmith Does Every Woodworking Job and Does it Better. Believe it's the best 9-in. Radial Arm Saw ever made! It cuts, rips, miters, tenons and rabbets. With attachments you sand, rout, drill, grind and shape. Exclusive Dial-O-Speed motor. Motor develops 2 HP. Special Dollar Saver offer—purchase Floorstand (B) with Sawsmith and you save \$10—simply deduct \$10 from price shown below. 110-120 v. AC.

- (A) 84 A 2265 RD—Ship. wt. 178 lbs. \$10 Down... Cash \$229.00
(B) 84 A 2273 MBD—Sawsmith Floorstand. Ship. wt. 20 lbs. \$16.95
(C) 84 A 2301 R—Cabinet with Casters. Wt. 60 lbs. \$16.95
84 A 2410—1¼-in. SAWSMITH ARBOR. Ship. wt. 6 oz. \$1.95
84 A 2411—9-in. SAWSMITH SANDING DISC. Ship. wt. 1 lb. \$1.95
84 A 2412—3 PKG. ASSORTED SAWSMITH SANDPAPER. Wt. 7 oz. \$1.95
84 A 2413—½-in. JACOBS SAWSMITH CHUCK. Wt. 1 lb. 6 oz. \$1.95
84 A 2414—UNIVERSAL SAWSMITH ½-IN. ARBOR. Wt. 15 oz. \$1.95
84 A 2416—SAWSMITH FLOATING SAW GUARD. Wt. 1 lb. 8 oz. \$1.95



D Add-A-Tool Bracket. For mounting Shopsmith attachments. 84 A 2415—See (18) to (22), Page 1053. Ship. wt. 2 lbs.

NEW POWR-KRAFT Radial DRILL PRESS



\$85.95

\$5 Down
\$5 Month

Tilts for
angle drilling



- Unequalled in Capacity and Flexibility—Do "Impossible" Jobs
- Head Swivels Full 360°, Tilts More Than 90° to the Right or Left
- You Choose from 4 Speeds to Drill a Wide Variety of Materials

E Here's a Drill Press Designed for All Your Shop Needs. Drill, sharpen, buff, sand, rout, polish, mortise at any angle with hairline accuracy—and without special jigs. Work lies flat on big 23¾x15⅞x¾ in. plywood top. For greater precision, remove plywood top, work on 8½x9 in. machined cast iron top. With 4 speeds (700-1250-2400-4700) you can handle large variety of materials easily, accurately. Arm travels forward 16⅞ in., backward 5¼ in. Base 8x9¾ in. Size overall: 30 in. deep, 24 in. wide, 33¼ in. high. Equipped with ½ in. capacity geared chuck and key, arbor pulley. Use ⅓-HP 1750 RPM motor (Page 1051).

84 A 2577 R—Ship. wt. 85 lbs. Not Mailable. \$5 Down... Cash \$85.95

1054 WARDS BA

JUST SAY "Charge It!" SEE PAGE 1281



Metal Lathes

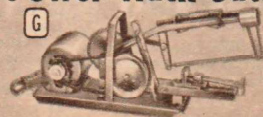
F Logan 9-in. Metal Lathes. 9¼ in. swing over bed. Reversible power feed. 48-thread selection, right or left. ½ in. collet capacity. Maintained accuracy to 1/1000-in. Ball bearing headstock. 12 spindle speeds. 55 to 1450 RPM. 17-in. centers, precision ground ways. 33-in. alloy steel face plate; two 60° centers, tool post, wrench; 2-step motor pulley (Slot ⅝-in. bore), tailstock wrench, threading chart and lathe manual. Use 1 HP, 1750 RPM Powr-Kraft Motor. Shipped promptly from Factory in Chicago.

Catalog No.	Gears	Apron	Ship. Wt.	Down	Month
84 A 2126 F	Quick Change	Plain	275 lbs.	\$10.00	\$20.00
84 A 2125 F	Plain Change	Automatic	275 lbs.	10.00	19.50
84 A 2129 F	Plain Change	Plain	275 lbs.	10.00	15.00

- 84 A 2142 K—3-Jaw Universal Chuck. Self-centers. Ship. wt. 10 lbs. \$10.00
84 A 2200 K—Anti-friction Center. No. 2 Morse taper. Ship. wt. 3 lbs. \$10.00
84 A 2170 K—¼ Straight Turning Tool Holder. Ship. wt. 1 lb. \$10.00

For Complete Line of Metal Lathes, Accessories, Send for FREE Metal Lathe Manual

Power Hack Saw

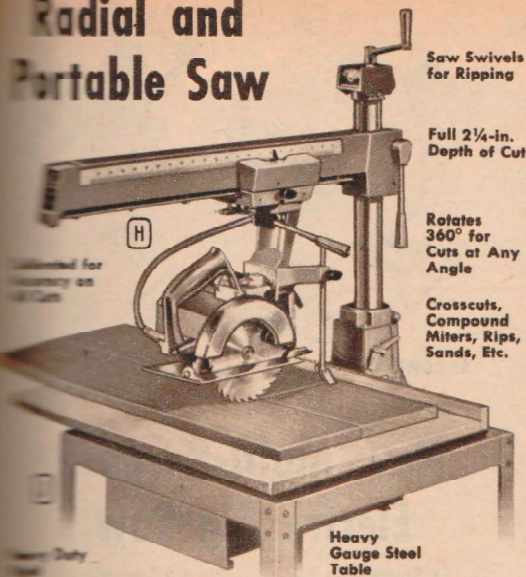


Low as
\$43.95

G Belt-Driven. Cuts up to 3¼-in. steel and 4-in. pipe. Adjusts to 45°. Automatic relieving mechanism controls pressure and stroke, lifts blade on return. \$43.95 on Terms.

- 84 A 2407 R—Wt. 24 lbs. \$43.95
With ¼-HP Split-Phase Motor, Pulley, Motor (83A4504MO) described on Page 1051
84 A 2408 R—Wt. 42 lbs. \$43.95
84 A 4486—Blades. Wt. 5 oz. \$1.95

Radial and Portable Saw



Saw Swivels for Ripping

Full 2 1/4-in. Depth of Cut

Rotates 360° for Cuts at Any Angle

Crosscuts, Compound Miter, Rips, Sands, Etc.

Heavy Gauge Steel Table

AT WARDS

\$118⁰⁰

ONLY \$5 DOWN
Complete with
Powr-Kraft 6 1/2-in.
Heavy-Duty Saw.



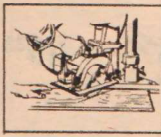
Use as Radial Arm



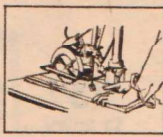
Use as Portable Saw



Bevels



Miter



Rips

NEW! POWR-KRAFT Offers a Radial Arm Saw and Heavy-Duty Portable 6 1/2-in. Electric Saw in one unit. Welded 30x20x1-in., non-warping wood table. Radial Arm rotates any position, indexes at 45° and 90°. Includes 6 1/2-in. Saw. Described (12) on Page 1057) can be removed for use as Portable Saw. Ship. wt. 64 lbs. \$6 Monthly on Terms.

Model R—Radial Arm Unit and 6 1/2 in. Saw. Cash \$118.00

Model K—Radial Arm Unit. Fits POWR-KRAFT 6 1/2-7 1/2-8-in. Portable Electric Saws. Order correct mounting bracket below.

Model R—Only \$5 down. Ship. wt. 50 lbs....Cash \$79.88

Mounting Brackets for POWR-KRAFT Saws. Ship. wt. each, 1 lb.

Model R—Fits Model No. 8939.....\$5.95

Model K—Fits Nos. 8900-8901-8902-8980-8981-8982.....2.19

Model R—Fits Model Nos. 8937-8938-8941.....2.19

Mounting Bracket converts portable saw into Radial Arm Saw. Fits Skil Nos. 552-520-698-516; Black and Decker Nos. 50-62-73-93; Portable Electric No. 620.

Model R—Fits above and similar. Ship. wt. 1 lb.....\$5.98

Radial Floor Stand. Specially designed to hold Radial Arm Saw. Listed above. \$2.50 dn. \$4 a month on terms.

Model R—Ship. wt. 20 lbs. Not Mailable....Cash \$24.88

Model K—6 1/2-in. Cut-Off and Sanding Wheel. Wt. 1 lb. 3.98

Model R—Sanding Drum for (H). Ship. wt. 1 lb. 8 oz....1.98

NEW POWR-KRAFT 10-in Radial Shop

89 YEARS
\$179⁵⁰
\$5 DOWN
SERVING ALL AMERICA



It Saws at 5,000 RPM
To a Deep 3 1/8-in.

Rout at 10,000 RPM

Two Auxiliary
Spindles

Wire Brush at 5,000 RPM

- Big 10-In. Capacity For Largest Jobs
- Big 3 1/8-In. Cut at 90°, 2 1/4-In. at 45°

- Rips To Center of 54-In. Panel
- 3 Operating Spindles . . . 3 Speeds

(K) All New Is The Word For The Big POWR-KRAFT 10-in. Tri-Power Radial Shop. Never before has Wards been able to offer a radial arm of this size, with so many deluxe features, at this low price. With accessories it can handle dozens of different jobs making it America's best buy in quality power tools.

COMPARE SIZE OF CUT . . . Cuts deeper than any other 10-in. Radial Saw in any price range. Cuts finished 4x4-in. lumber. Sawing, beveling, mitering—you can handle all these jobs on this giant capacity saw.

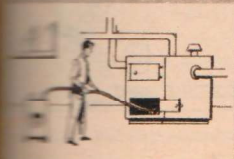
COMPARE VARIETY OF ACCESSORY USE . . . This Tri-Power shop has this exclusive feature—THREE Operating Spindles at THREE different speeds. 3450, 5000, 10000 RPM. All speeds that you need for most woodworking jobs. Saw at 5000 RPM, Drill at 3450, and Rout at 10000 RPM. It handles wire brushing, drum sanding, buffing, molding, dadoing, shaping, beveling easily and quickly.

COMPARE CAPACITY OF SAW . . . Radial Arm rotates 170°, locking at any angle, with positive stops at 45° and 90°, and 10-in. blade and motor tilt 90°, right and left, with positive stops at 45° and 90°. Large table capacity enables you to rip to center of 54-in. wide panel. Big size, maximum flexibility giant capacity.

COMPARE THESE ADDITIONAL FEATURES . . . 110-120 volt, AC/DC all ball bearing motor develops 2 1/2 HP, has safety clutch to protect saw and prevent motor burnouts if saw hits a nail or a knot. Bonded wood table top will not warp. 3/8-in. arbor, with two 1/2-in., 20-thread auxiliary spindles. Key-type safety lock power switch cannot be turned on accidentally, preventing many needless accidents. UL approved. \$5 down, \$9 monthly. 84A2300 R—Wt. 135 lbs. Now Cash. . . \$179.50

1/2-in. Chuck for Saw (K). For routing, drilling. 84 A 9367—Ship. wt. 1 lb. 4 oz. . . Only \$7.39

POWR-KRAFT Vacuum Cleaner HAS MANY USES



Stoves, furnaces



Shop areas, greenhouses



Garages and work spaces



Attics and gutters

(L) Brand New All Purpose Vacuum. A real value at this low price. This latest design puts motor atop the fiber drum to waste none of the large 28 gallon capacity. Big 5/8 horsepower motor gives plenty of suction for heavy-duty clean-up jobs around the home, garage, shop or farm. Dandy for car interiors, trunks, pick-up trucks, power tools, etc. A really useful addition to any home. Built-in blower for hard-to-reach crevices. No lubrication necessary. Diameter 16 inches, height 20 inches. 110-120-volt AC-DC motor. With fiber drum, 6 foot hose, 2 1/2-inch plastic floor nozzle, and one extra filter bag. Not Mailable.

84 A 8522 R—Ship. wt. 28 lbs. \$5 Month.....Cash \$37.64

84 A 8523—3-WHEEL DOLLY FOR PORTABILITY. Wt. 4 lbs. . .3.66

84 A 8529—POLISHED EXTENSION HANDLE. Wt. 2 lbs.3.66

84 A 8537—PACKAGE OF 6 PAPER FILTER BAGS. Wt. 2 oz.95c

84 A 8538—PACKAGE OF 1 CLOTH FILTER BAG. Wt. 1 oz.95c

84 A 8540—MAGNETIC HOOD KIT. Ship. Wt. 2 lbs.3.29

84 A 8554—ROUND, FISH TAIL NOZZLE KIT. Wt. 8 oz.2.88

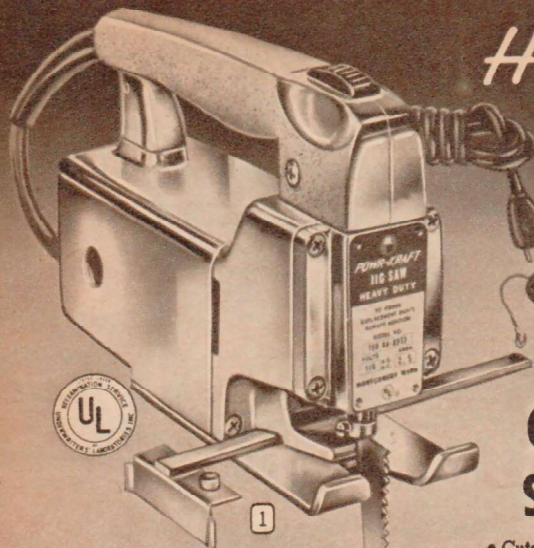


\$4 DOWN
\$37⁶⁴

(L)

POWR-KRAFT
VACUUM

BAC WARDS 1055



Heavy Duty

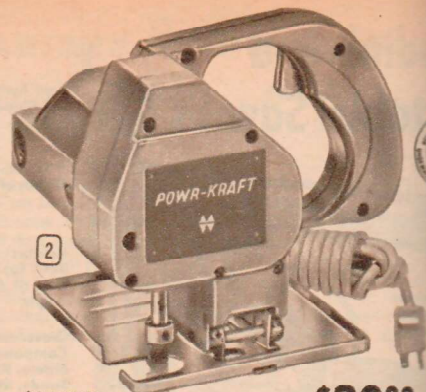


Our Finest Sabre Saw

- Cuts circles, scrolls, openings
- Fast—3300 strokes per minute
- 2-position shoe . . . cuts flush
- Sealed ball bearings in motor
- Guaranteed one year*—UL approved

1 **POWER-KRAFT Heavy-Duty Sabre Saw.** Finest performing saw we've seen. Powerful ball bearing reciprocating motor delivers 3300 3/8-in. strokes per min. 2-in. cutting capacity. Easily cuts metal, plastic, 2x4's. Convenient slide-type on-off switch. 110-120 v., AC-DC. With handle, sawdust blower, rip and circular

guide, 3 blades, 3-wire cord with adapter.
84 A 8933—Ship. wt. 7 lbs. Cash **\$38.84**
Extra Blades For Saw (1). Ship. wt. 3 oz.
84 A 8944—Metal cutting blades. 4 for **\$1.89**
84 A 8945—Coarse wood blades. 2 for **1.98**
84 A 8946—Fine wood blades. . . 4 for **1.39**



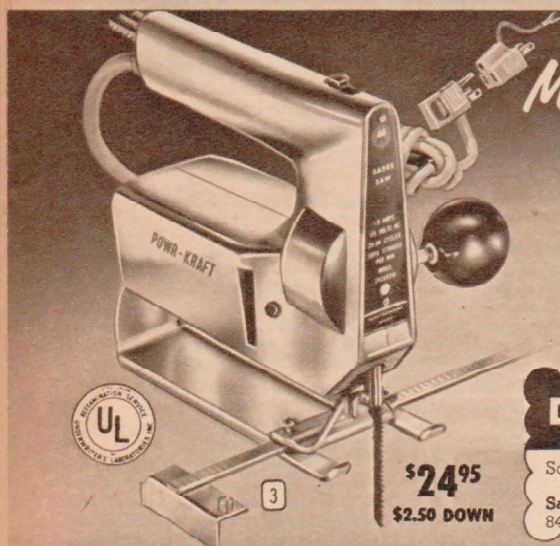
\$3 DOWN

\$29.88

New Multi-Purpose Electric Jig Saw

- Tremendous Power . . . Big 4.5 Amp. Motor.
- Cuts 6 x 6's at 90°; Cuts 4 x 4's at 45°.

2 **POWER-KRAFT Work-Horse Jig Saw.** Powerful performance for curved, irregular, or straight-line cutting. Angle adjusts from 0° to 45°. Sealed ball and oilite bearing construction, 2400 strokes per minute. Oversize triggered safety switch. You get: Saw, 7 1/2-in. wood cutting blade, angle adjustment keys, 6-ft. cord. For 110-120 V. AC. Guaranteed one year*. \$3 Down, \$4 Month on terms.
84 A 8964—Ship. wt. 7 lbs. Mailable. Cash **\$29.88**



Medium Duty

3 **Ruggedly Built Sabre Saw** for the home craftsman. Cuts holes, patterns, straight lines. 2-in. capacity, adjusts to 45°. 3000 strokes per min. Ball bearings. Guaranteed*. Rip guide, extra handle. For 110-120 V. AC. Ship. wt. 4 lbs.
84 A 8934 Cash **\$24.95**

Dollar Saver

Saw (3) and Table (6) . . . Reg. \$33.83
BUY BOTH, SAVE \$3.00
Sabre-Saw and Table. Wt. 16 lbs.
84 A 18934 YB. Only **\$30.83**

\$24.95
\$2.50 DOWN



4 **Chain Saw Attachment** lets you cut logs, walls, . . . easily with your portable electric saw—doubles the capacity of your saw. Heavy-duty construction for rough work. Cutter bar, chipper-type chain cuts toughest wood. Fits Power-Kraft Saws Model 84 A 8900, 8901, 8902, 8982, 8937 and 8941. Ship. wt. 4 lbs. Mailable.
84 A 8970—Only \$3.00 Down, \$4 Month. Cash **\$19.88**
84 A 8971—EXTRA CHAIN for (4). Ship. wt. 8 oz.

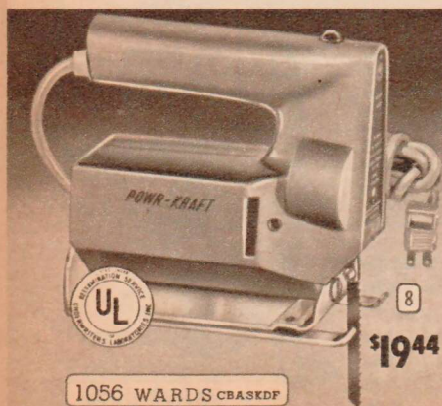
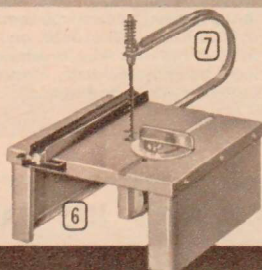
5 **Floor Model Saw Table.** Converts all Power-Kraft . . . opposite page to tilting arbor table saw. 18 1/2-in. table surface. 35 1/2 in. high. Adjustable ripping fence, gauge, blade angle, and depth of cut.
84 A 8968 MB—Ship. wt. 24 lbs. Mailable.

6 **Steel Table for (3), (8).** Converts saws to table saw. 15x15-in. top, 7 in. high.
84 A 8908—Wt. 12 lbs. . . **\$8.88**

7 **Scroll Saw Attachment.** Mounts on table or saw. Converts to handy jig saw.
84 A 8955—Wt. 2 lbs. . . **\$3.98**

Blades for (3), (8). Wt. 2 oz.		
Type	Cat. No.	Price
Coarse	84A8909	5 for \$1.25
Fine	84A8910	5 for 1.25
Metal-Cut	84A8911	3 for 1.25

SATISFACTION GUARANTEED



Utility Duty

Budget-Priced Sabre Saw

8 **Reliable and Economical.** Will handle cutting problems of most home craftsmen. Guaranteed*. Use to cut holes, patterns or straight lines. Adjustable shoe cuts through metal, plastics and even 2x4 lumber. Universal motor. Precision bronze bearings. 110-120 volt AC. 2-in. cutting capacity. UL Approved.
84 A 8932—Ship. wt. 4 lbs. **\$19.44**

\$19.44



9 **Convenient Steel Saw Case.** Heavy-gauge welded construction protects your saw from damage. Fits Power-Kraft 6 1/2, 7, 7 1/2 and 8-in. saws. Easy and Room for extra blades and extension cords.
84 A 8950—Ship. wt. 9 lbs. 8 oz. Only **\$19.44**

10 **Bench Model Saw Table.** Get extra use from your saw. the features of (5) in a bench model. Bolts to work table surface. 35 1/2 in. high. Adjustable ripping fence. 84 A 8967 M—Mailable. Ship. wt. 12 lbs. Only **\$19.44**

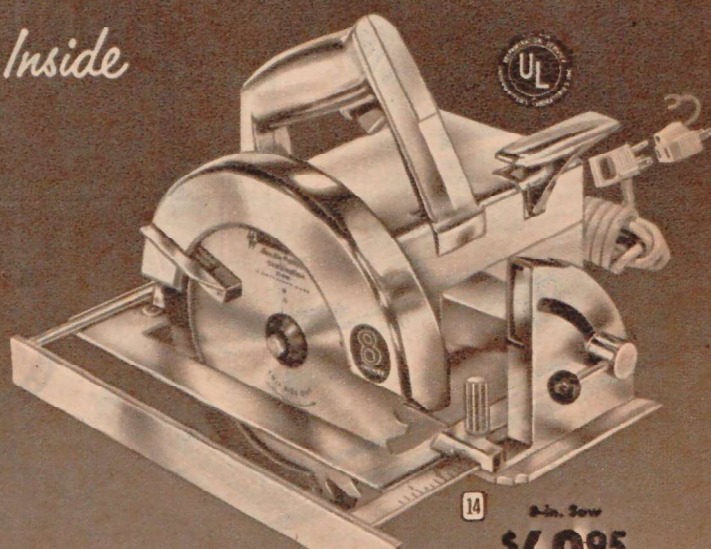
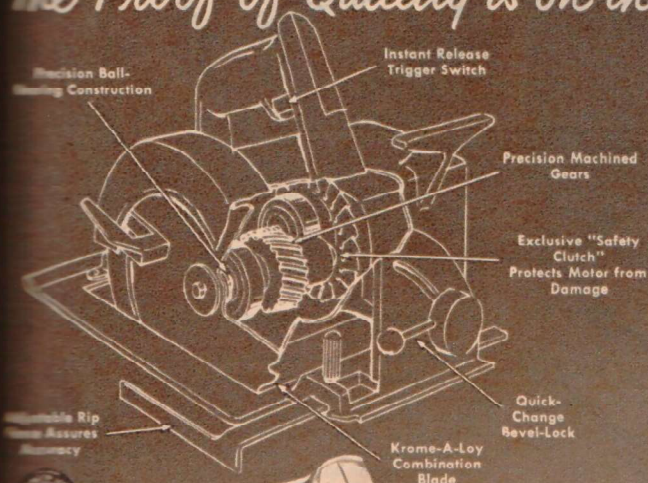
11 **Protractor.** Strong all steel protractor is precision brated . . . assures you of the exact cutting angle you want. For all Power-Kraft 6 1/2, 7, 7 1/2 and 8-in. saws.
84 A 3841—Ship. wt. 1 lb. 12 oz. Only **\$19.44**

1056 WARDS CBASKEP

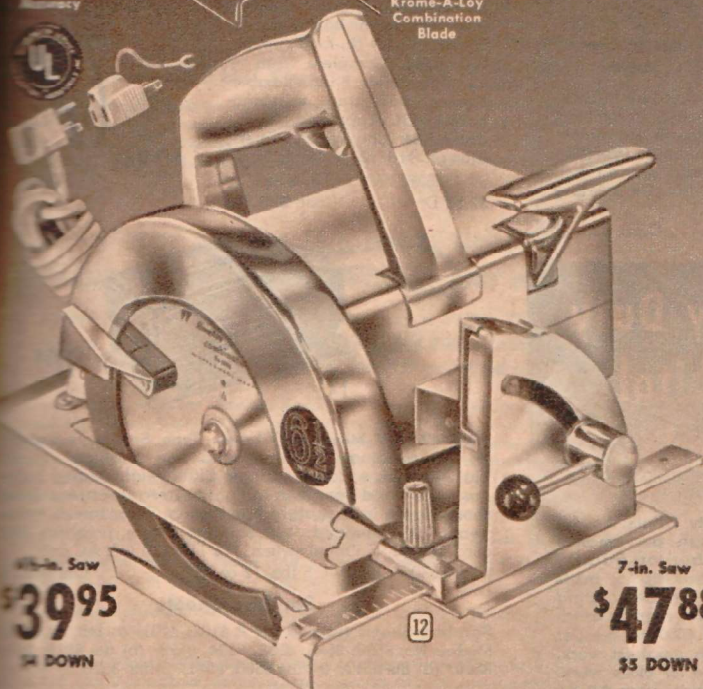
Just Charge It—See Page 1281 for details

Choose the Size and Power to Fit YOUR Needs

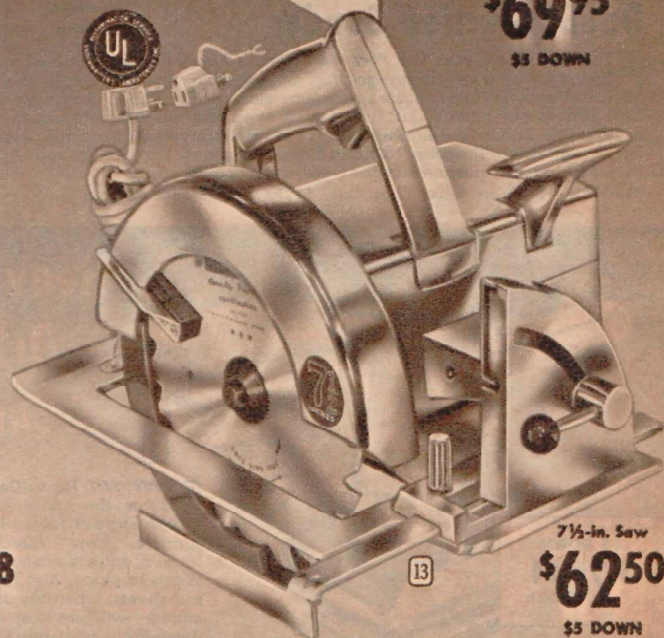
The Proof of Quality is on the Inside



8-in. Saw
\$69⁹⁵
\$5 DOWN



6 1/2-in. Saw
\$39⁹⁵
\$4 DOWN



7 1/2-in. Saw
\$62⁵⁰
\$5 DOWN

7-in. Saw
\$47⁸⁸
\$5 DOWN

POWER-KRAFT Big Capacity 6 1/2-in. Saw. For tough jobs, repair work, etc. Includes all features above. Forced air cooling. Develops 1 1/4 HP, runs on precision ball and drawn cup roller bearings. Cuts 2 1/4 in. at 90°; 1 7/8 in. at 45°. No-load speed 5100 rpm. 10 amps. Guaranteed*. \$4 Down, \$5 Monthly.
84 A 8901 M—Wt. 15 lbs...Cash **\$39.95**

Length Exact-A-Guide. For ripping. Cuts 7, 7 1/2-in. saws. Shown on (14).
84 A 8989—Ship. wt. 2 lbs.....**\$2.98**

POWER-KRAFT Super Capacity 7-in. Saw. For professional builders as well as home handymen. Includes all Power-Kraft features shown above. Precision ball and needle bearings. Safety clutch protects saw motor from burn-out. Forced air cooling. 10 amp. 1 1/4-HP motor cuts 2 1/2 in. at 90°, 2 in. at 45°. 5100 RPM no-load speed. Guaranteed*. Ship. wt. 16 lbs. Only \$5 Down.
84 A 8981 M.....Cash **\$47.88**

POWER-KRAFT Giant Capacity 7 1/2-in. Saw. Heavy duty. Will not stall, even in heaviest work. Sets a new standard of work load efficiency. Has every Power-Kraft feature described above. Forced air cooling to prevent overheating. 12 Amperes, 2 Horsepower, full ball and roller bearings, 5500 RPM no-load speed. Instant release trigger switch. Cuts through 2 1/2 in. at 90°, cuts 2 1/16 in. at 45°. Fully guaranteed*. Ship. wt. 17 lbs. Only \$5.00 Down on Terms.
84 A 8902 M—\$5 Month....Cash **\$62.50**

POWER-KRAFT "Deep-Cut" Deluxe 8-in. Saw Makes Power Tool History. Here's our finest saw—has all features shown above—truly one of America's biggest values in power hand saws. Delivers top performance on toughest assignments—built for continuous heavy-duty operation. Cannot stall, even in heaviest work. Incorporates every latest Power-Kraft design feature above, plus Exact-A-Guide for accurate rip control. Quick change bevel lock and safety clutch. Additional specifications: 12 Amps., 2-HP motor, cuts 2 3/32 in. at 90°, 2 3/16 in. at 45°. Guaranteed*. \$5 Down on Terms.
84 A 8982 M—Wt. 19 lbs...Cash **\$89.95**

All saws above are complete with 1/8-in. arbor Krome-A-Loy saw blade, built-in sawdust blower to keep cutting line clear, 10-ft. 3-wire safety cord and adapter. For 110-120 volt AC-DC.

GUARANTEE*

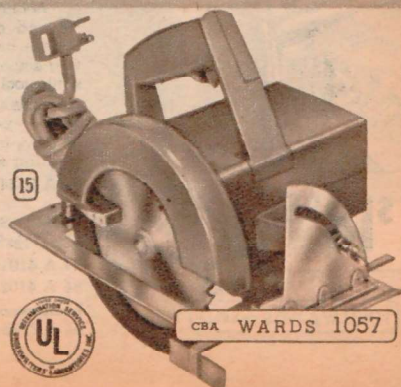
GUARANTEED ONE FULL YEAR.

All POWER-KRAFT saws are guaranteed one year from date of purchase against defects in workmanship and materials, and will be repaired or replaced free if defective in that period.

POWER-KRAFT Utility Saw

Budget Priced at **\$32⁷⁴** Pay only \$3.50 Down

15 6 1/2-in. Model for Home Craftsmen... all the conveniences of a power saw at a price every homeowner can afford. Cuts 2 1/4 in. at 90°, 1 7/8 in. at 45°. Bronze bearing construction. 7 Amp. 1-HP motor. 5000 RPM no-load speed. Safety clutch to protect motor. 110-120 v. AC-DC. Bevel adjustment, blade guard, 5/8-in. arbor, combination blade, 8-ft. 2-wire cord. Guaranteed* (see left). UL Approved. \$3.50 Down, \$4 Monthly.
84 A 8900 M—Ship. wt. 15 lbs.....Cash **\$32.74**



CRA WARDS 1057

Our Finest



89 YEARS
\$38.44
\$4 DOWN
SERVING ALL AMERICA

Double-Action Sander

1 You Save Money With The POWER-KRAFT Double-Action Sander—For it's Two Sanders in One! By the turn of a key, it changes from an oscillating motion to straight-line action. Perfect tool for carpenters, painters, home craftsmen, etc. Use Oscillating Action for Rough Sanding—3500 strokes per minute quickly smooths even the roughest unfinished lumber. Precision straight-line motion fine-finishes wood. Powerful Universal Motor and non-slip driving belt for efficient drive. Precision ball and bronze bearings. For 110-120 volt, AC-DC. Six sanding sheets included. Guaranteed* one year, see opposite page.
84 A 8539—Ship. wt. 6 lbs. 12 oz. Only \$4 Down, \$5 Month on Terms.....Cash \$38.44

Oscillating Motion Straight-Line Motion

Heavy Duty Orbital Sander



Dollar Saver

Buy Sander, Get
\$1.19 Carbide
Sanding Sheet
FREE

2 POWER-KRAFT Heavy-Duty Orbital Sander gives the same high performance you'd expect from other top quality sanders. New "Electro-Grip" holds lapped edge tungsten carbide sanding sheets in place. Also takes regular sanding sheets. Operates at 4000 strokes per minute—will not stall in toughest work. Removable front handle for close work. On-off switch. Guaranteed 1 year.* 9 assorted sanding sheets, buffing pad, cord. For FREE tungsten carbide sanding sheet, order (3) below, state Cat. No., grit, Ship. wt., write "Free" for price.
84 A 8536 MD—Wt. 5 lbs. 8 oz....\$28.44

3 Tungsten Carbide Sanding Sheets for Sander (2). Won't wear out—sands twice as fast as sandpaper. Size 3½x7¼ in. State: Fine, Medium or Coarse Grit.
84 A 8528—Ship. wt. 3 oz....Each \$1.19

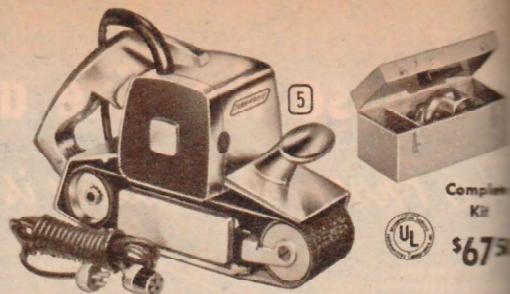
Utility Sander



4 POWER-KRAFT Utility Orbital Sander Costs Least! Shop and compare. It's difficult to find a high quality sander as this at such a low, low price. Sands all woods to a smooth, scratch-free, fine-furniture finish. Most versatile tool in your shop—the handiest worksaver of all! UNIVERSAL MOTOR drives sanding pad 3500 orbital strokes per minute. Self-lubricating bronze bearings. 3½x7¼-in. rubber-faced sanding pad. Complete with 6 sanding sheets. UL Approved. Guaranteed*.
84 A 8534 M—Ship. wt. 5 lbs. 8 oz.....Only \$18.95

Carbide Sanding Sheets for Sander (4). No rolled edge. Size 3½x9 in. Fine, Medium, or Coarse grit.
84 A 4101—State grit. Shpg wt. each 3 oz.....Ea. 85c
84 A 4102—Three assorted sheets. Wt. 6 oz.....\$2.15

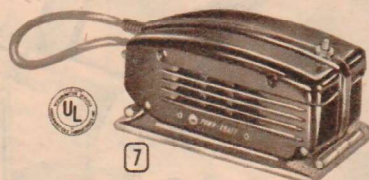
Lambwood Polishing Pad. Fits Sanders (1), (2), (4).
84 A 2795—Ship. wt. 6 oz.....Each 65c



5 POWER-KRAFT Heavy-Duty Belt Sander... Excellent for large, flat areas—floors, boats, etc. Sealed ball bearing construction throughout for continuous production use. Precision engineered for toughest sanding jobs. Free belt 1600 ft. per minute—positive belt tracking adjustment. Used as bench sander when inverted. Fully Guaranteed. For 110-120 volt AC-DC; UL Approved. With 3 sanding sheets, 8 ft. of 3-wire cord. Steel carrying case. Extra 15-ft. heavy duty extension cord included with kit. \$5 Down.
84 A 8561 MB—Complete Kit. Ship. wt. 29 lbs....Cash \$67.50
84 A 8560 M—Sander Only. Ship. wt. 17 lbs....Cash \$52.50

6 POWER-KRAFT 6-in. Sander-Polisher

For heavy removal work in less time with less effort. Ideal for auto work—plenty of power for those heavy sanding and polishing jobs. Precision ball bearing construction. No-load speed 500 RPM. Complete with 6 sanding sheets, 6-inch flexible rubber pad and polishing bonnet. UL Approved. Guaranteed for one year*. Operates on 110-120 volts AC-DC.
84 A 8526—Wt. 5 lbs. 6 oz.
\$2.50 Down.....Cash \$23.88

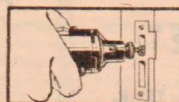
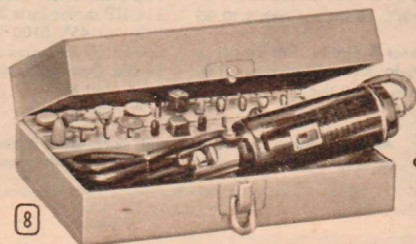


7 POWER-KRAFT Magnetic Vibrator Type Sander is excellent for sanding, polishing, and fine finishing... big 24-sq. in. sanding surface. Lightweight plastic body—easy one-hand operation in tight or irregular areas. Quick short strokes in a straight line motion. Guaranteed for one year*. UL Approved. With sanding sheets, polishing disc, cord and plug. On-off switch. For 110-120 volt AC only.
84 A 8520—Ship. wt. 5 lbs. 12 oz.....Only \$11.84

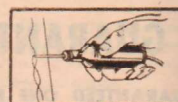
Sanding Sheets

Sanding Sheets (a) and (84 A 4102, 4101) at left, fit Models No. 8520, 8535, 8536, 8534, 8539; (b) fits 8524, 8519; (d) fits 8517; (e) fits 8560, 8561; (f) fits 8526.

State Type Grit	Size	Sheets	Wt.	Cat. No.
(a) Assorted	3½x9 in.	10	4 oz.	84 A 8509
(b) Assorted	4½x6½ in.	10	4 oz.	84 A 8532
(c) Assorted	2½x7½ in.	10	4 oz.	84 A 8513
(d) Assorted	3¼x7½ in.	10	4 oz.	84 A 8518
(e) State: F,M,C	3x24 in.	2 belts	3 oz.	84 A 8531
(f) State: F,M,C	6-in. diam.	5 discs	2 oz.	84 A 9361
POWER-GRIT Hand Sander		3	1 lb.	84 A 4114

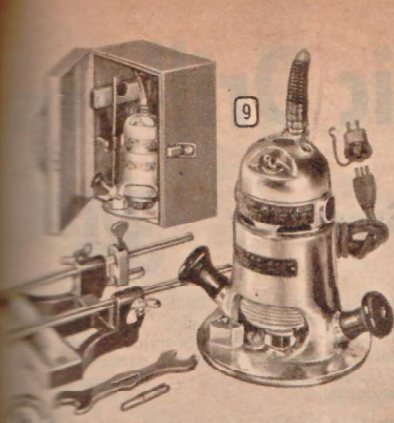


Cuts Holes



Engraves

8 Can Carvé, Cut, Drill, Engrave, Grind, Polish. For plastics, metals, glass. Fingertip control—delivers 1000 RPM. Operates on 110-120 v. AC-DC. 24 time-saving series: 8 high-speed cutters, saw, steel brush, 4 emery points, drum sander, carrying case. UL Approved. Guaranteed one year*, see details, opposite page.
84 A 9298—Ship. wt. 2 lbs. \$2.50 Down.....Cash \$23.88



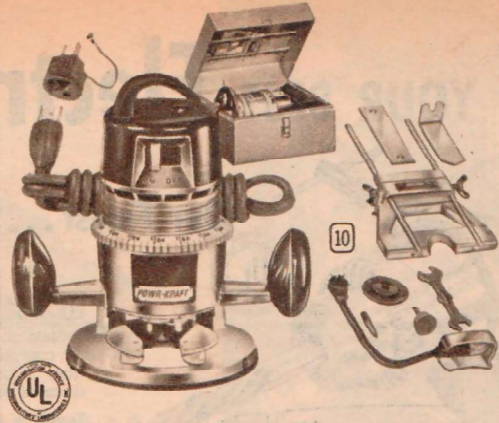
Economy Router \$39⁹⁵

Low Priced POWER-KRAFT Kit... for hobbyists, home repairmen. Easy to make cuts with or against the grain for fine joinery, cabinetry, corning. Superior quality design. Kit includes: router, straight and circular guides, 1/4-in. straight bit, wrench, 1/4 HP gives 27,000 RPM., operates on 110-120 V. 60 cyc. AC. Guaranteed (see below). Only \$4 Down on Terms.

84 A 8543—Ship. wt. 5 lbs. 8 oz. Cash \$39.95

***Guaranteed One Full Year**

POWER-KRAFT power tools are guaranteed one full year from date of purchase against defects in workmanship and materials, and will be repaired or replaced free if found defective within the period.



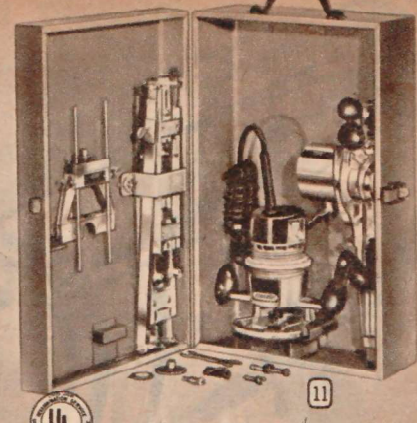
Heavy Duty Router Kit \$67⁵⁰

For Carpenters, Cabinet Makers—designed for speed and accuracy. Will perform finest joinery and cabinet work—beading, grooving, routing, fluting, cove-cutting, dove-tailing, etc. For inlay work, decorative edges, many types of bas-relief carving, wood finishing.

POWERFUL 7/8-HP Motor operates at 23,000 RPM—smooth cuts with or against grain. Threaded motor housing provides micro depth of cut adjustment.

ACCESSORIES INCLUDED: Straight and circular guide; templet guide; light attachment; 2 high speed bits—1/4-in. straight and 3/8-in. round over; 1/4 and 1-in. grinding wheels for sharpening bits; steel carrying case; wrench and instructions. For 110-120 volt, AC-DC. UL Approved. *Guaranteed 1 year.

84 A 8547—Ship. wt. 19 lbs. \$5 Down.....Cash \$67.50



Our Finest Deluxe Builder's Router Kit \$133⁵⁰

Will Do 90% of All Woodworking Jobs. More than pays for itself in the time it saves. Specially designed templet of lightweight metal for hinge mortising—adjusts to mortise 2 or 3 hinges on wooden doors and jambs. Handles 1 3/8 to 2-in. thick doors; guides router for cuts of uniform size.

MOTOR QUICKLY INTERCHANGED for router or planer. Large capacity planer—micro depth adjustment. Unique design forces chips from cutter.

KIT INCLUDES: 7/8-HP, 110-120 v., AC-DC motor; routing and planing attachments; arbor and cutter; grinding wheel and arbor; door and jamb butt templet, templet guide, mortising bit; straight, circle guide, carrying case.

84 A 8548MB—Wt. 38 lbs. Only \$5 Down. Cash \$133.50

Why Pay For Two Power Units?

SAME MOTOR OPERATES ROUTER AND PLANER

- Powerful 7/8-HP Ball Bearing Motor Operates at 23,000 RPM
- Makes Hundreds of Cuts—Mortise and Tenon, Tongue and Groove, Etc.
- Converts to Planer in Seconds—For Fitting Doors, Windows, Screens

Router Has More Power, Greater Versatility than any comparable router we've seen. It's faster, has bigger capacity—actually performs up to 90% of usual woodworking operations. Built-in light enables you to follow line or pattern closely. Precision built for heading, inlaying, making rabbet and dado cuts. Great addition to any woodworking shop. Use on wood or plastics—makes exceptionally smooth cuts with or against grain. Adjusting depth of cut is quick, extremely accurate. With chuck and wrench. Order router bits at right.

84 A 8544 M—Router with Motor. Ship. wt. 9 lbs. 8 oz. \$5 Down.....Cash \$47.88

Router Attachment Without Motor Unit. Same as described in (12) above.

84 A 8543—Use with motor from (14) below. Ship. wt. 1 lb. 14 oz.....\$8.95

Straight and Circular Guide. Keeps accurate distance between material, bit.

84 A 8551—Fits Router (12) above. Ship. wt. 1 lb.....\$3.69

Big 16-in. Planer With Motor. Large capacity—for planing lumber, fitting doors, storm windows, screens, etc. Leaves smooth, waveless surface. Tilts for angle planing. Micro depth adjustment. With 2 1/16-in. blade, wrench.

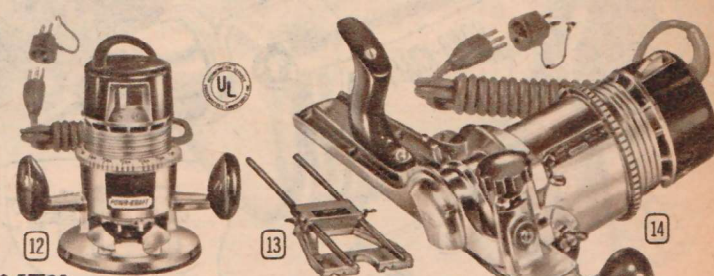
84 A 8546 M—Planer with Motor. Ship. wt. 11 lbs. \$5 Down.....Cash \$72.50

Planer Attachment less Motor Unit. Use with motor from (12) above.

84 A 8545—Ship. wt. 4 lbs. Only \$4 Down on Terms.....Cash \$35.88

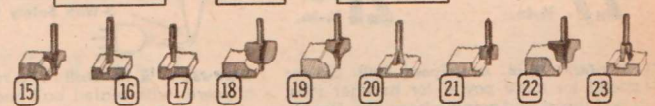
Router Bit Kit. Includes: (19); 1/4 and 3/8-in. sizes of (16), (17).

84 A 8574—High-speed steel. Ship. wt. 12 oz.....4-Pc. Kit \$8.98



\$47⁸⁸

\$72⁵⁰



- 15 to 23 Router Bits.** High speed steel. 1/4-in. shank. Ship. wt. 2 oz. each.
- | | |
|--|---|
| (15) 84 A 8587—1/4-in. Beading... \$4.44 | (19) 84 A 8588—3/8-in. Round Over... \$4.79 |
| (16) 84 A 8585—1/4-in. Straight... 1.37 | (20) 84 A 8590—1/8-in. Dovetail... 3.79 |
| (17) 84 A 8586—1/2-in. Straight... 1.77 | (21) 84 A 8591—3/8-in. Rabbeting... 5.50 |
| (18) 84 A 8586—1/8-in. Veining... 1.39 | (22) 84 A 8592—5/32-in. Rom. Ogee... 4.95 |
| (18) 84 A 8589—3/8-in. Cove... 5.88 | (23) 84 A 8598—1/2-in. Mortising... 2.29 |

Dollar Saver

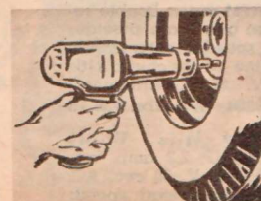
Buy Impact Wrench, Chuck and Sockets, Get **FREE CASE**

Complete Impact Wrench Outfit

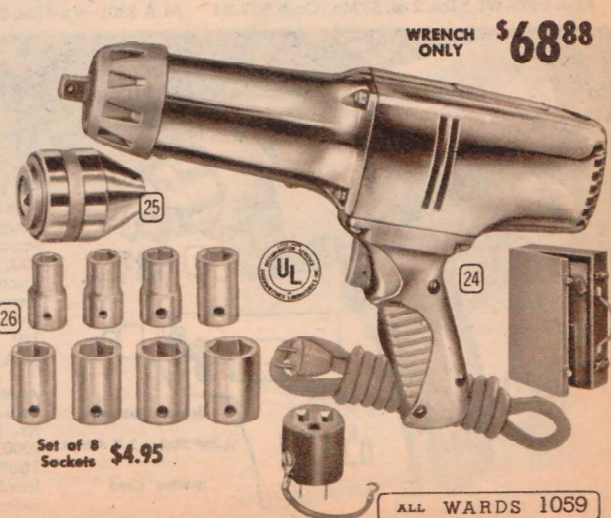
NOW ONLY \$78⁹⁵



For Drilling in Wood or Metal



For Tightening, Loosening Nuts



WRENCH ONLY \$68⁸⁸

Set of 8 Sockets \$4.95

POWER-KRAFT Impact Wrench

Tightens, removes bolts in 1/10 the time required by hand. Adjustable torque gives 1600-1800 impacts per second. Max. torque in 6 seconds. Fingertip reversing switch. 3/8 to 3/4-in. bolt size capacity. 110-120 volt, 60 cyc. AC-DC. UL Approv. Guaranteed*. Chuck below accepts tool to drilling, reaming.

84 A 9284—Ship. wt. 8 lbs. \$5 Down.....Cash \$68.88

Dollar Saver. Includes Impact Wrench, Sockets, Chuck.

84 A 9280—With FREE case. Ship. wt. 12 lbs.....\$78.95

Impact Chuck. For drilling, reaming. Capacity 3/8 to 3/4-in. taps, round shanks .194 to .381 in.

84 A 9354—Postpaid.....\$8.44

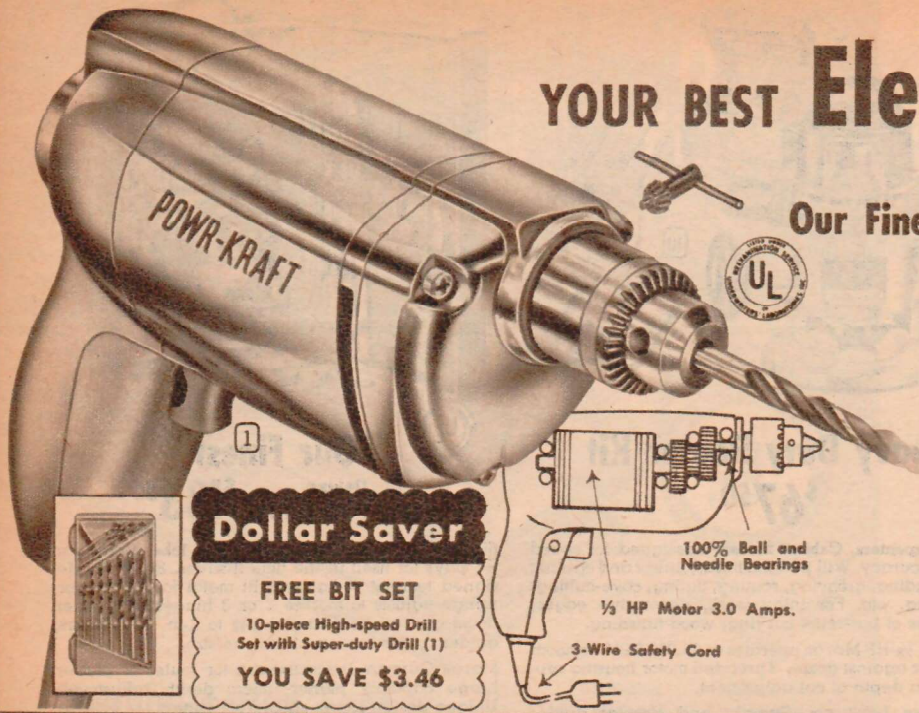
Impact Sockets. 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 in.

84 A 4870—State Size wanted. Ship. wt. 6 oz. Each 65c

84 A 4890—Complete Set. Wt. 1 lb. 14 oz.....\$4.95

YOUR BEST Electric Drill BUYS

Our Finest... Super-Duty **\$34⁸⁴**



Dollar Saver

FREE BIT SET

10-piece High-speed Drill Set with Super-duty Drill (1)

YOU SAVE \$3.46

100% Ball and Needle Bearings

1/2 HP Motor 3.0 Amps.

3-Wire Safety Cord

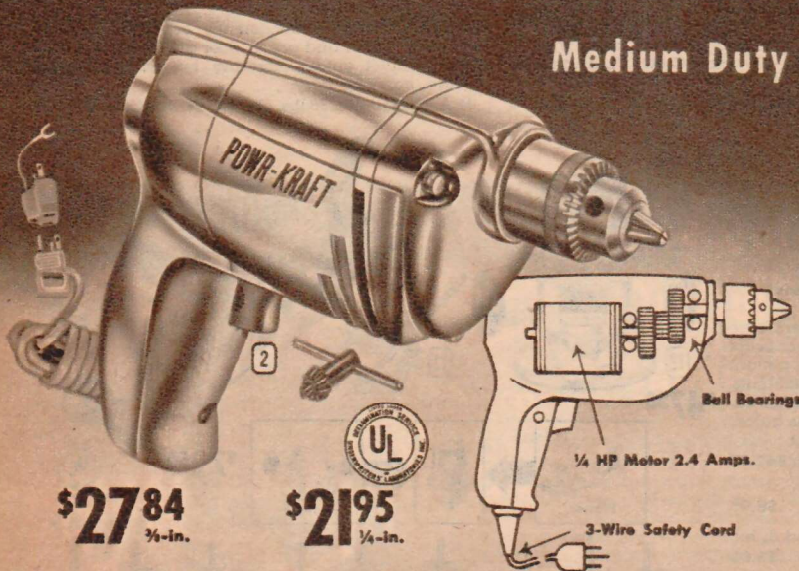
1 **POWR-KRAFT Super-Duty 1/2-in. Drill.** Designed with professional in mind. Big capacity... power to spin Professional Model combines ideal weight, power and for completely dependable on-the-job performance after year. Guaranteed* for 1 year. UL approved (Industrial Standards).

Tough 'n ready. 1/2-HP 3-amp. ball bearing motor delivers untiring power. Double Formvar insulation on armature field coils. For 110-120 V. 60 cycle AC-DC.

No job is too tough for our finest drill. This package of power delivers maximum performance on any job, large or small. Drills quickly through wood, metal or plastic. Jacobs 3-jaw geared 1/2-in. chuck with key. Double reduction gear train for maximum power. Precision-cut, heat treated alloy gears. Strong but lightweight aluminum alloy housing. No-load speed 1800 RPM; full-load speed 1000 RPM. Locking trigger switch has automatic release. Forced air ventilation. 10-ft. 3-wire cord. Spade or palm grip. To get Free Drill Bit Set simply order 84 A 4549D. Wt. 8 oz.; mark "Free Charge" in price column. Wt. 4 lbs. 8 oz.

84 A 9388 D—PALM GRIP MODEL. \$3.50 Down. Cash \$34.84
84 A 9389 D—SPADE GRIP MODEL (not shown). Cash \$34.84

Medium Duty



\$27⁸⁴
1/4-in.

\$21⁹⁵
1/4-in.

Ball Bearings

1/4 HP Motor 2.4 Amps.

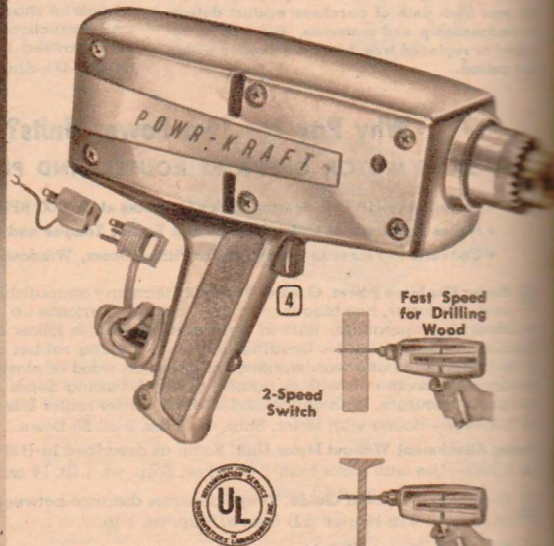
3-Wire Safety Cord

2 **POWR-KRAFT 1/4-in. Low-Speed Drill.** Slower speed for more power for heavier jobs. Full ball thrust and spindle bearings. Double reduction gear train provides greater torque. Big capacity Jacobs 3-jaw 1/2-in. chuck. Precision cut alloy steel gears. No-load speed 1000 RPM; full-load 500 RPM. Locking trigger switch; automatic release. 1/4-HP 2.4 amp. motor. 110-120 V. 60-cycle AC-DC. 10-ft. 3-wire cord. Guaranteed*. \$3 Down.

84 A 9305—Wt. 5 lbs. 2 oz. \$3 Mo. Cash \$27.84

POWR-KRAFT 1/4 HP Drill... a rugged "tastful" of power with sealed ball-bearings at points of greatest strain. Genuine Jacobs 3-jaw geared 1/2-in. chuck with key. Double reduction gear train for maximum power. Precision-cut heat-treated alloy steel gears. No-load speed 1800 RPM; full-load speed 900 RPM. Locking trigger switch with auto. release. Forced air ventilation. 2.4 amp. 1/4-HP motor. 110-120 V, 60 cycle AC-DC. *Guaranteed.

84 A 9301—Wt. 4 lbs. \$2.50 Down.. Cash \$21.95



Fast Speed for Drilling Wood

2-Speed Switch

Slow Speed for Drilling Steel

Actually Changes Gears Electrically! No Chucks to Change. No Gears to Shift!

VERSATILE 2-Speed DRILL

POWR-KRAFT
3/4-Inch Model

\$29⁹⁵

\$3 Down
\$4 Month

4 Change Speeds with a "Flick of a Switch!" Get the benefit of heavy-duty power in 2 speeds—at a price you'd expect to pay for a single speed drill. Precision engineered and completely dependable 3/4-in. model. Sealed ball bearing construction. Entirely different—offers a full range of speeds. High speed for drilling in wood or sawing. Low speed range (twice the power) for drilling in masonry and steel, polishing, etc. Low Speed Range—1000 RPM No-load; 600 RPM Full-load. High Speed Range—2000 RPM No-load; 1200 RPM Full-load.

Powerful 1/4-HP, 2.4 amp. motor. Operates on 110-120 V. 60 cycle AC-DC. Aluminum housing—alloy steel gears. Balanced to eliminate fatigue. Jacobs gear chuck and 10-ft. 3-wire cord. \$3 Down, \$4 Monthly on Terms. Fully Guaranteed* for one year; see details below.

84 A 9306—Ship. wt. 7 lbs. 12 oz. Cash \$29.95

Utility



\$13⁵⁰
1/4-in.

Bronze Bearings

1/4-HP Motor 2.2 Amps.

2-Wire Cord

Handle Holds Drill Bits

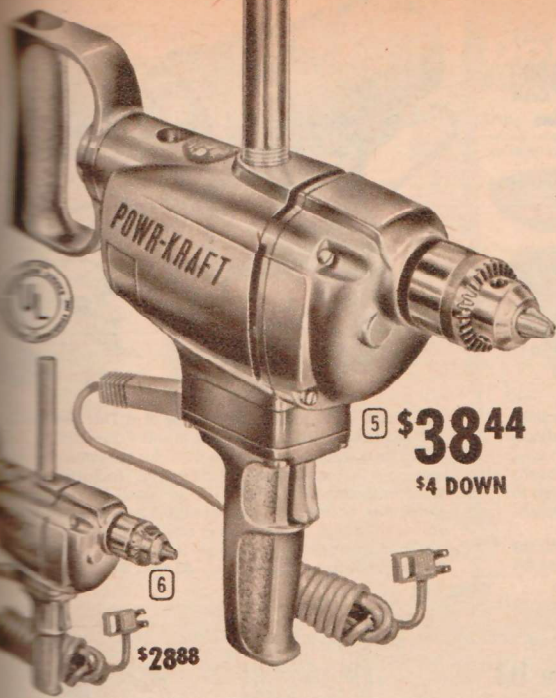
3 **New POWR-KRAFT 1/4-inch Drill** offers more CAPACITY at a LOW price. Tough bronze bearing construction. Rugged 2.2-amp. 1000 RPM motor. Double reduction gear train provides lower speed, greater torque. Genuine Jacobs chuck. 110-120 V. AC. Guaranteed*.

84 A 9204—Wt. 4 lbs. \$18.75

POWR-KRAFT 1/4-in. Utility Drill. 1/4-HP 2.2 amp. motor. 110-120 V. 60 cyc. AC. 2000 RPM no-load speed: 1000 RPM full. Genuine Jacobs chuck. Trigger lock switch. Guaranteed* 1 year. 84 A 9203—Wt. 4 Lbs. \$13.50

1060 WARD'S C&S&D

*GUARANTEED ONE FULL YEAR—All POWR-KRAFT power tools are guaranteed one year from date of purchase against defects in workmanship and materials, and will be repaired or replaced free if defective within that period.



POWR-KRAFT 1/2-Inch UTILITY DRILLS

Utility Model with reversing switch that operates drill clockwise or counterclockwise—lets you back out from jobs quickly. Precision ball-bearing 1/2-HP motor develops 4 1/2 amps. 3-jaw gear type chuck. Trigger-lock switch. No-load speed 500 RPM; full-load 300. 110-120 V. 60-cycle, AC. 4-way adjustable rear handle. Guaranteed*.

84 A 9272 M—Ship. wt. 11 lbs. Mail. \$4 Down, \$5 Month. ...Cash \$38.44

Utility Drill. Like above, without reverse switch. Mailable.

84 A 9272 M—Ship. wt. 11 lbs. 12 oz. Mail. \$3 Down.....Cash \$28.88

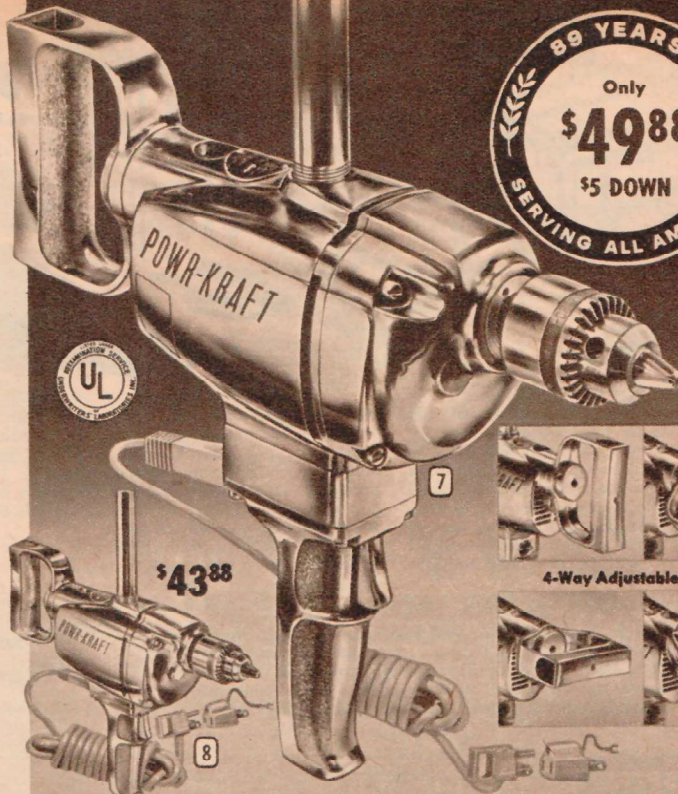
Useful 1/2-inch Drill Attachments

9 **POWR-KRAFT 1/2-in. Drill Stand.** Converts any Ward 1/2-in. drill into drill press. Drills accurate holes of uniform depth. Drills to center of 6-in. circle. Spindle travels 4 1/2 in. Adjusts for height, depth.

84 A 9274 M—Ship. wt. 8 lbs. 8 oz.\$18.88

10 **Right Angle Drive Attachment with Handle.** For 1/2-in. drills. Gear assembly in spherical steel housing. Has 2-to-1 gear ratio. Extremely useful for drilling in confined spaces between joists, studding, etc. Just attach drill to one arm, bit to other and drill at right angles to drill axis, at double normal speed. Simply attach drill to other arm for half normal speed. With spindle adapter.

84 A 9315—Ship. wt. 3 lbs.\$15.44



HEAVY-DUTY Reversible 1/2-IN. DRILL

- Powerful Heavy-Duty Model • Full Ball and Needle Bearing Motor
- Instant Reversing Feature • 4-Way Adjustable Rear Handle

7 **Heavy-Duty Ball Bearing Model.** Greater power makes this the ideal drill for all types of production work and heavy-duty installation jobs—PLUS newly designed reversing switch that enables drill to operate in either direction. Now you have power to back out from those tough jobs quickly, easily. Powerful 3/4-HP motor. 4-way adjustable rear handle permits operation in any position. Removable top handle. Genuine Jacobs geared chuck. Locking trigger switch. Hardened alloy steel ... rugged construction stands up under hardest use ... compact design ... made for easier handling. For 110-120 V. AC. No-load speed 500 RPM, full-load 350 RPM. 10-ft. 3-wire cord. Fully Guaranteed*. Order drill accessories from Pages 1062, 1063. Ship. wt. 11 lbs.

84 A 9275 M—Only \$5 Down, \$5 Monthly on Terms.....Cash Price \$49.88

8 **1/2-In. Heavy-Duty Drill.** Same as above but without reversible feature.

84 A 9273 M—Ship. wt. 10 lbs. 8 oz. Guaranteed*. \$4.50 Down, \$5 Mo. Cash \$43.88

MIGHTY Powr-Loc Drill CONVERTS TO 7 TOOLS

BUY THE 5-PC. POWR-LOC OUTFIT OR BUY DRILL PLUS ATTACHMENTS SEPARATELY

\$14.50

Drill Only



\$21.44

Starter Set ...

12 **POWR-LOC 1/4-in. Drill AND Sabre Saw.** Perfect nucleus for your power tool outfit. Save money with this offer now, add other attachments later. See (13) to (19) above. Wt. 5 lbs. 12 oz. \$3 Mo. 84 A 9223 M. Cash \$21.44



Here's How It Works

POWR-LOC eliminates old-fashioned methods of "attaching attachments" that were complicated by keys, straps, or threaded fittings. Now all you do is simply engage coupling in accessory piece, and twist. That's all there is to it! Your Powr-Loc attachment is securely locked on.

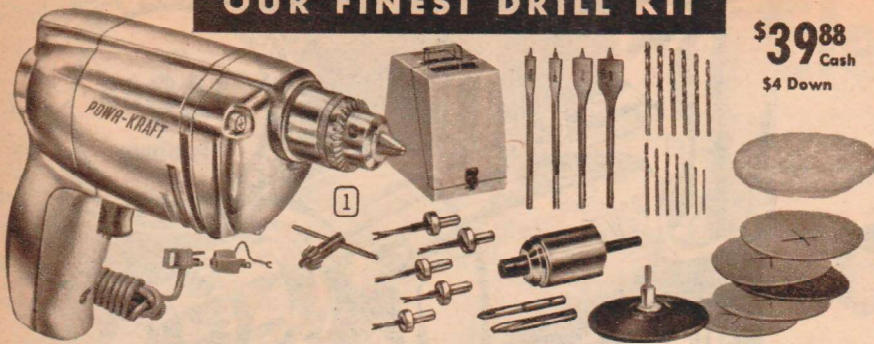
"Charge It"

SEE PAGE 1281



CBASKDF WARD51061

OUR FINEST DRILL KIT



\$39.88
Cash
\$4 Down

1 Get **POWR-KRAFT 31-Piece Drill Kit** with either $\frac{1}{4}$ -in. heavy-duty drill (2) or $\frac{3}{8}$ -in. low-speed drill on Page 1060. Each has double reduction gear train for greater torque; precision-cut, alloy steel gears. Complete kit enables you to do a better job faster... has all the accessories you need for all drilling, sanding, and polishing jobs. Handsome steel case holds

drill and accessories which include: sanding-polishing set (arbor assembly, rubber pad, 6 sanding discs, lamb'swool polishing bonnet), 5 screw pilot bits, screwdriver (straight and Phillips bits), 13 high-speed drill bits up to $\frac{1}{4}$ -in., 4 wood boring bits up to 1 in. Guaranteed one year (see Page 1060). \$4 Down, \$5 monthly on convenient terms.

84 A 9285—With $\frac{1}{4}$ -in. drill. Ship. wt. 15 lbs. \$39.88
84 A 9286—With $\frac{3}{8}$ -in. drill. Ship. wt. 15 lbs. \$44.88



\$25.88

2 Finest $\frac{1}{4}$ -Inch Outfit We Know of at This Low Price features $\frac{1}{8}$ -HP utility drill (3) on Page 1060. 2.2 motor has double reduction train for maximum power. genuine Jacobs chuck. Accessories include: sanding-polishing arbor assembly, rubber pad, 12 sanding discs, 6 sanding discs, 7 high-speed bits, sizes to $\frac{1}{4}$ in. screw pilot bits, 6-piece wood boring bit set and case. Guaranteed (see Page 1060).

84A9287—Ship. wt. 9 lbs. Only \$3 Dn., \$4 Mo. Cash \$25.88

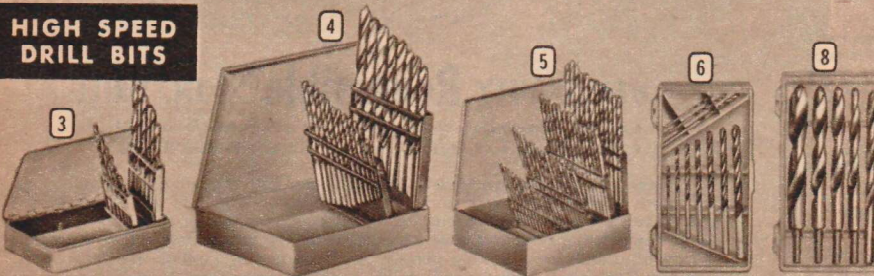
POWR-KRAFT High Speed Drill Bits Drill Faster, Last Longer. No finer quality anywhere. Stay sharp longer... precision ground for lasting durability. Use **HIGH SPEED BITS** for all Powr-Kraft drills, drill presses or power driven tools. **CARBON STEEL BITS** are recommended for hand or low speed drills—use both for wood or soft metals.

JUST SAY

"Charge It!"

See Page 1281

HIGH SPEED DRILL BITS



3 13-Piece High Speed Drill Set. $\frac{1}{16}$ to $\frac{1}{4}$ by 64ths.

84 A 4511 D—Ship. wt. 9 oz. index case incl. \$4.69

4 21-Piece High Speed Drill Set. $\frac{1}{16}$ to $\frac{3}{8}$ in.

84 A 4513 D—Wt. 2 lbs. Metal index case... \$11.89

5 15-Piece High Speed Drill Set. $\frac{1}{16}$ to $\frac{1}{2}$ by 32nds.

84 A 4512 D—Wt. 2 lbs. 8 oz. Metal index case... \$13.79

6 60-Piece Wire Gauge Drill Set. Sizes 1 to 60. Metal index case.

84 A 4536 D—Wt. 7 lbs. 4 oz. \$16.95

7 10-Pc. Straight Shank Set. Sizes $\frac{1}{8}$ to $\frac{1}{4}$ in. Handy plastic box. Wt. 8 oz.

84 A 4548 D—Carb. \$1.89

84 A 4549 D—High Sp. \$3.46

8 Drill Grinding Stand. Adjustable. Wt. 12 oz.

84 A 4501 D... \$2.39

7-Pc. Straight Shank Sets. Plastic case.

84 A 4503 D—High Speed. Wt. 8 oz. \$2.74

84 A 4502 D—Carbon Steel. Wt. 5 oz. \$1.39

8 5-Pc. Drill Bit Sets. $\frac{1}{4}$ to $\frac{1}{2}$ in. by 16ths.

Plastic case. Ship. wts. 10, 11 oz.

84 A 4508 D—High Speed (not shown) \$4.29

84 A 4506 D—Carbon Steel (shown) \$2.59

Drill Bits. 84 A 4507 D—Carbon Steel.

84 A 4509 D—High Speed. Av. wt. 4 oz.

Size	84A4507D	84A4509D	Size	84A4507D
$\frac{1}{16}$ in.	35c	53c	$\frac{9}{16}$ in.	\$1.39
$\frac{3}{16}$ in.	45c	94c	$\frac{5}{8}$ in.	1.59
$\frac{1}{2}$ in.	55c	\$1.13	$\frac{11}{16}$ in.	1.89
$\frac{3}{4}$ in.	79c	1.56	$\frac{3}{4}$ in.	2.29
$\frac{1}{2}$ in.	95c	1.87		

9 29-Pc. Twist Drill Sets. $\frac{1}{16}$ to $\frac{1}{2}$ in. in metal

84 A 4533 D—High Speed. Wt. 2 lbs. 10 oz. \$5.99

84 A 4534 D—Carbon. Ship. wt. 2 lbs. 10 oz. \$5.99

84 A 4546 D—Metal Stand Only. Ship. wt. 8 oz. \$5.99

Individual Twist Drills. Ship. wt. 2 to 6 oz.

Diam. In.	Car. Steel	High-Spd.	Diam. In.	Car. Steel	High-Spd.
$\frac{1}{16}$	3 for 48c	3 for 52c	$\frac{7}{32}$	26c ea.	53c
$\frac{5}{64}$	3 for 49c	3 for 58c	$\frac{15}{64}$	28c ea.	55c
$\frac{3}{32}$	3 for 52c	3 for 67c	$\frac{1}{4}$	32c ea.	58c
$\frac{7}{64}$	3 for 52c	3 for 73c	$\frac{9}{32}$	35c ea.	70c
$\frac{1}{8}$	3 for 54c	3 for 88c	$\frac{5}{16}$	37c ea.	75c
$\frac{9}{64}$	3 for 54c	3 for 95c	$\frac{11}{32}$	44c ea.	85c
$\frac{5}{32}$	3 for 57c	3 for \$1.00	$\frac{3}{8}$	52c ea.	\$1.09
$\frac{11}{64}$	3 for 60c	3 for 1.05	$\frac{13}{32}$	63c ea.	1.29
$\frac{3}{16}$	3 for 69c	44c ea.	$\frac{7}{16}$	76c ea.	1.49
$\frac{13}{64}$	3 for 75c	46c ea.	$\frac{1}{2}$	95c ea.	1.69

10 Steel Index Cases. Hold and protect drills.

Holds	Sizes $\frac{1}{16}$ to $\frac{1}{2}$	Ship. wt.	Cat. No.
15 drills	by 32nds	1 lb. 4 oz.	84 A 4539D
29 drills	by 64ths	1 lb. 13 oz.	84 A 4538D

11 3-Piece Steel Alloy

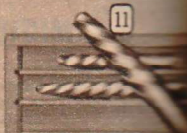
Screw Extractor Set.

$\frac{3}{16}$, $\frac{1}{4}$ and $\frac{3}{8}$ in. Wt. 12 oz.

84 A 4523 D... \$1.98

6-Pc. Set. Sizes $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$ in.

84A4505D—Wt. 12 oz. \$2.39



MASONRY DRILLS



12 4-Pc. Masonry Drill Set. Carbide tipped steel. Spiral flutes. Use in stone, concrete, etc. Sizes: $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$ in. Ship. wt. 8 oz.

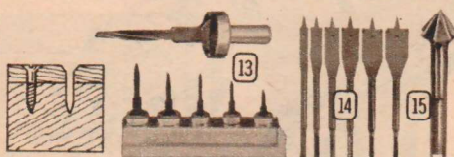
84 A 4515 D— $\frac{1}{4}$ -in. shanks. Set \$5.79

Masonry Drills. Same as (12) above.
84 A 4516 D—Wt. 3 to 8 oz. State size.

Diam.	Shank	Ea.	Diam.	Shank	Ea.
$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	96c	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	\$1.35
$\frac{3}{16}$ in.	$\frac{3}{16}$ in.	96c	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	1.78
$\frac{1}{4}$ in.	$\frac{1}{4}$ in.	\$1.04	$\frac{5}{8}$ in.	$\frac{5}{8}$ in.	2.18
$\frac{5}{16}$ in.	$\frac{5}{16}$ in.	1.17	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	2.96

1062 WARDS CRASKDF

WOOD BORING BITS



13 5-Piece Wood Screw Pilot Bit Set. Drills guide holes. Sizes: $7 \times \frac{3}{4}$; 8×1 ; $8 \times 1\frac{1}{4}$; $10 \times 1\frac{1}{4}$; $12 \times 1\frac{1}{2}$ in. Fits $\frac{1}{4}$ -in. electric drills, drill presses or other power-tools. Convenient case.

84 A 4547 D—Ship. wt. 5 oz. Set \$3.49

14 6-Pc. High Speed Wood Boring Bit Set. Bores in wood, plastic, etc. Fits all electric drills. $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 in.

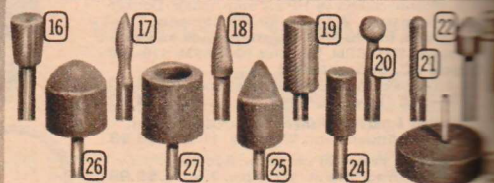
84 A 4517 D—Wt. 12 oz. $\frac{1}{4}$ -in. shanks... \$4.19

Individual Wood Boring Bits. Wt. ea. 2 oz.

84 A 4519 D—State: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1 in... Ea. 69c

15 Countersink. Bores $\frac{5}{8}$ -in. holes in wood, soft metal. $2\frac{1}{2}$ -in. $\frac{1}{4}$ -in. shank.

84 A 4167 D—Ship. wt. 2 oz. \$3.88



16 - 23 High Speed Rotary Files. $\frac{1}{4}$ -in. shank, $\frac{1}{4}$ in.

(16) 84 A 9341 D—Invert. Cone. $\frac{1}{2} \times \frac{5}{8}$ in. Wt. 3 oz.

(17) 84 A 9342 D—Convex Cone. $\frac{1}{4} \times 1$ in. Wt. 3 oz.

(18) 84 A 9340 D—Cone Pointed. $\frac{5}{16} \times 1$ in. Wt. 3 oz.

(19) 84 A 9336 D—Cylinder Flat. $\frac{1}{2} \times 1$ in. Wt. 3 oz.

(20) 84 A 9335 D—Ball Shape. $\frac{3}{8}$ in. Wt. 3 oz.

(21) 84 A 9337 D—Cylinder Rad. $\frac{1}{4} \times 1$ in. Wt. 3 oz.

(22) 84 A 9339 D—90° Deburring. $\frac{1}{2}$ in. Wt. 3 oz.

(23) 84 A 9338 D—Tree Point. $\frac{1}{2} \times 1\frac{1}{2}$ in. Wt. 3 oz.

84 A 9343 D—Set of 8. Ship. wt. 1 lb. 2 oz. Wt. 3 oz.

24 to 27 Rotary Grinding Tools. State shape: (24) Cone (25) Round (26) Straight

84 A 9331 D—Alum. oxide, 60 grit. $\frac{1}{4}$ -in. shafts. Wt. ea. 2 oz.

84 A 9332 D—Complete Set of 4 Rotary Tools. Wt. 10 oz.

28 Abrasive Grinding Wheel. $3 \times \frac{3}{4}$ in. thick. $\frac{1}{4}$ in.

84 A 9333 D—Aluminum oxide, 60 grit. Ship. wt. 2 oz.

Wire Scratch Brush (not shown). Full 3-in. diameter.

84 A 9252 D—State fine or coarse. Ship. wt. 4 oz.

Cup Brush (not shown). Fits $\frac{1}{4}$ -in. shank. $\frac{1}{2}$ -in. diam.

84 A 9255 D—State fine or coarse. Ship. wt. 4 oz.

SANDING TOOLS



NEW!

Dollar Saver

Save 10% on accessories (3) to (49) when you order any drill, Page 1060, or drill kit on opposite page.

31-pc. drill kit... \$39.88
 Planer... Reg. 9.44, 8.50
 Drill press, Reg. 9.84, 8.86

You pay only \$57.24

YOU SAVE \$1.92

4-in. Swivel Disc-Sander with polishing bonnet. Flexible allows you to sand, polish, speed never before possible. Flat to surface at all times, no gouging.

84 A 9362 D—Ship. wt. 1 lb. \$3.49

Sanding Kit. Pad, 3 discs, sheepskin bonnet. 5-in. diam.

84 A 9363 D—Ship. wt. 6 oz. \$1.00

Sanding Discs. Aluminum oxide. 5-in. diam. Assorted grits.

84 A 9364 D—Ship. wt. 2 oz. 5 for 45c

84 A 9365 D—Ship. wt. 2 oz. 5 for 45c

84 A 9366 D—Ship. wt. 2 oz. 5 for 45c

84 A 9367 D—Ship. wt. 2 oz. 5 for 45c

84 A 9368 D—Ship. wt. 2 oz. 5 for 45c

84 A 9369 D—Ship. wt. 2 oz. 5 for 45c

84 A 9370 D—Ship. wt. 2 oz. 5 for 45c

Sanding Sleeves. For (32). Ship. wt. 12 oz. Sizes: 1x1, 1½x1½, 2x1½ in.

84 A 9362 D—State size. 6 for 79c

Orbital Action Sander fits any ¼ or ⅜-in. drill. Exclusive bracket makes sander and drill one unit for convenient, sure one-hand operation. Steel springs give smooth orbital action. Cushion sanding plate holds 3x9-in. sandpaper. Quick clamp-holding action permits easy sandpaper changing. All moving parts hardened, ground steel.

84 A 9394 D—Ship. wt. 2 lbs. \$6.95

Right Angle Drive Kit has 4 discs, rubber pad, wool bonnet.

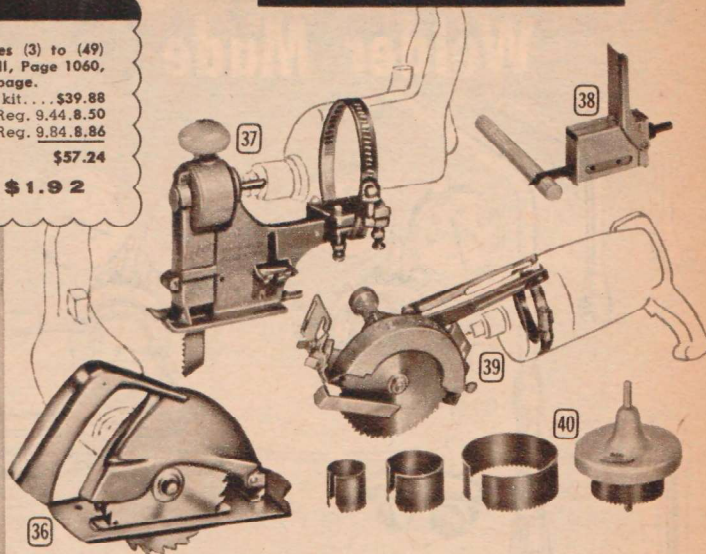
84 A 9312 D—Wt. 1 lb. 9 oz. \$5.44

Right Angle Drive Only.

84 A 9314 D—Ship. wt. 1 lb. \$3.98

Extra Wool Bonnets. For (35).

84 A 2792 D—Ship. wt. 4 oz. 2 for \$1.19



4-in. Saw Attachment. Convert ¼-in. drills to power saw. 4-in. combination rip-crosscut blade adjusts to 1-in. deep cut. Tilts to 45°.

84 A 9232 D—Cast aluminum housing. Ship. wt. 2 lbs. \$6.95

84 A 9250 D—Extra 4-in. Saw Blade for (36). Ship. wt. 6 oz. Each 1.17

Jig Saw Attachment. Cuts 2x4's, metal. Sawdust blower. With 6 blades.

84 A 9317 D—For ¼-in. chucks. Ship. wt. 3 lbs. 8 oz. \$8.95

84 A 9309 D—Extra wood-cutting blades. Ship. wt. 3 oz. 6 for 1.79

84 A 9318 D—Extra metal-cutting blades. Ship. wt. 3 oz. 6 for 1.44

Hack Saw Attachment. Converts ¼ or ⅜-in. drill to power hack saw.

Cuts ¾-in. wood or light metals. Operates at 800 RPM.

84 A 9321 D—With one blade. Ship. wt. 1 lb. 4 oz. \$4.95

84 A 9322 D—Extra blades for wood. Ship. wt. 3 oz. 3 for 45c

84 A 9323 D—Extra blades for metal. Ship. wt. 3 oz. 3 for 45c

5-in. Saw Attachment. Doubles use of drill. Cuts 1¾ in. deep; bevels to 45°.

84 A 9310 D—Grease-sealed gears. Ship. wt. 3 lbs. 14 oz. \$9.44

84 A 9311 D—Extra Saw Blade for (39). Ship. wt. 6 oz. Each 1.24

Hole Saw Attachment. For carpentry, plumbing. Cuts neat 1, 1½, 2 or 2½-in. holes in wood, plastic, or light metals. Has dozens of uses.

84 A 9324 D—Fits ¼-in. and larger drills. Ship. 12 oz. \$4.44

SCREWDRIVERS



Screwdriver Attachment. Converts your drill to drive screws with "power" quickly, easily... inexpensively. Includes No. 1 Phillips bit and No. 8 screwdriver bit. Ship. wt. 2 lbs. 5 oz.

84 A 9357 D... \$11.44

Screwdriver Attachment. Now you can use your drill to drive screws with "power" quickly, easily... inexpensively. Includes No. 1 Phillips bit and No. 8 screwdriver bit. Ship. wt. 9 oz.

84 A 9357 D... \$3.84

Reversible Screwdriver—Speed Reducer fits all drills. Reduces speed 7 times, increases power. Uses Yankee-style bit holder for instant bit changing. Comes with screwdriver bit. Ship. wt. 1 lb. 8 oz.

84 A 9358 D... \$9.88

DRILL PRESS

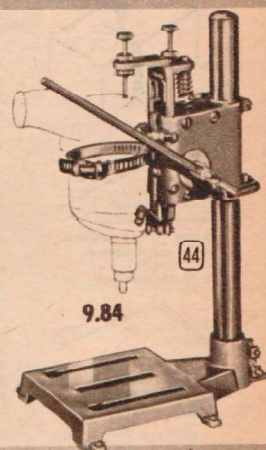
Every Drill Owner Can Have a Drill Press!

Convert Your ¼-Inch Drill Into A Drill Press! Get double the usefulness out of your drill. Unit drills to center of 8-in. circle. Spindle travels two full inches. Comes complete with depth gauge and stop. Fits all pistol-grip drills.

84 A 9245 D—Ship. wt. 6 lbs. \$9.84

Just Say Charge It!

SEE PAGE 1281



Use Your Drill to Trim Hedges, Clean Paint Brushes

Hedge Trimmer gives you electric clipping convenience... saves money, too. 14-in. blade and ¼-in. spindle.

84 A 9319 D—Ship. wt. 2 lbs. 12 oz. \$8.50

Right Angle Drive Attachment for ½-in. chuck. Has 2-to-1 speed reduction—use either direction. Drills in confined spaces between joists, studding. Spindle adapter.

84 A 9319 D—Ship. wt. 3 lbs. \$15.44

Brush Cleaner. Quickly spins brush clean. Fits ¼-in. chuck.

84 A 9319 D—Ship. wt. 14 oz. \$2.39

Horizontal Drill Stand. Fits ¼ or ⅜-in. chuck. Mounts firmly on bench—leaves hands free for guiding other work.

84 A 9319 D—Ship. wt. 1 lb. 5 oz. \$1.98

Make Your Drill A Planer! Plane soft or hardwood—with or across the grain. Diagonal shearing action eliminates deflections from knots or bad grain. 6-flute spiral cutter. You can adjust depth for any type cut. Cutting width 1¾ in. Olite bearings. Use with high RPM drills.

84 A 9319 D—Ship. wt. 3 lbs. \$9.44

New Drum Surform cuts hardwood, plywood, plaster, sheet rock, etc. Use for rabbeting and routing. Has more than one hundred teeth for smooth, even cutting action. Fits any ¼-in. and larger chuck.

84 A 9246 D—Ship. wt. 3 oz. \$1.98

Arbor. Fits ¼, ⅜, ½-in. holes. Wt. 4 oz.

84 A 9327 D—Fits ¼-in. shank. 49c

OTHER ACCESSORIES



ALL WARDS 1063

No Finer 2-Stage Welder Made



Button Control Cuts
Gas Consumption 50%

\$134⁵⁰ NOW
\$5 DOWN

With Automatic Welding Torch

- Use full flame only when actually welding . . .
- Use pilot flame when moving. No wasted gas!
- Constant Pressure at Torch—No Time-Consuming Adjustments
- Made by Harris-Calorific, a leader in welding for over 50 years

1 **POW-KRAFT Two-Stage Regulator** Welding and Cutting Outfit. This is our finest welding and cutting outfit. Made by Harris-Calorific, it gives you greater safety, accuracy, and dependability. Equipped with regulators which maintain constant delivery pressure from start to finish. This enables the operator to devote full time to welding, without adjustments. Oxygen regulator has 100 and 4000-lb. gauges. Acetylene regulator has 50 and 500-lb. gauges. The diaphragm is built to withstand the impact of full cylinder pressure. Every part is thoroughly tested by Wards own laboratories. Fine craftsmanship assures leak-proof construction. Gas exposed parts are made of non-ferrous metals to assure corrosion-free performance. All parts are fully guaranteed*, see P. 1059.

Automatic Welding Torch. This torch is much safer than regular torches. It eliminates repeated lighting and continuous manipulation of valves—saves time, work and gas. The non-flash mixer handles all size tips—no extra mixing chamber is needed. Torch will not backfire.

Cutting Attachment. Features nickel-silver tubes and tripod construction—insures rigidity and withstands all operational abuses. The regulators pass enough volume to cut through steel up to 6 in. thick.

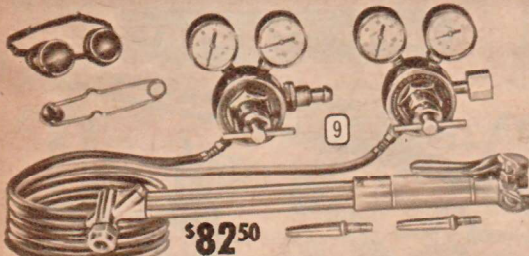
Complete Outfit Includes: automatic welding torch, 3 welding tips, sizes 3, 5, and 7; cutting attachment; cutting tip, size 2; two-stage oxygen and acetylene regulators; safety goggles; torch lighter; hose and instructions. Mailed promptly from Stock.

84 A 5878MB—Ship. wt. 28 lbs. Only \$7 Mo. Cash \$134.50

Cuts
6-inch
Thick
Steel

Flick of thumb
reduces welding
flame to economical,
safer pilot flame.

Flick thumb again
full welding flame
is instantly restored.



9 **Complete Propane Cutting Outfit.** Cuts faster than most acetylene torches, yet burns up to 90% less costly propane or butane. Rugged, lightweight. Cuts up to 10-in. thick metal. Ideal for precision or scrap cutting. Oxygen and propane regulators have extremely large capacities . . . deliver 1500 cu. ft. per hour. No appreciable drop or crawl assures you of constant, even flame. Outfit includes: Cutting torch, 2 cutting tips (sizes 1 and 2), 25 ft. of twin 1/4-in. hose, safety goggles and lighter.

1064 WARDS CBA

84A5882MB—Wt. 30 lbs. Set Only \$82.50



ONLY
\$89⁰⁰
\$5 DOWN



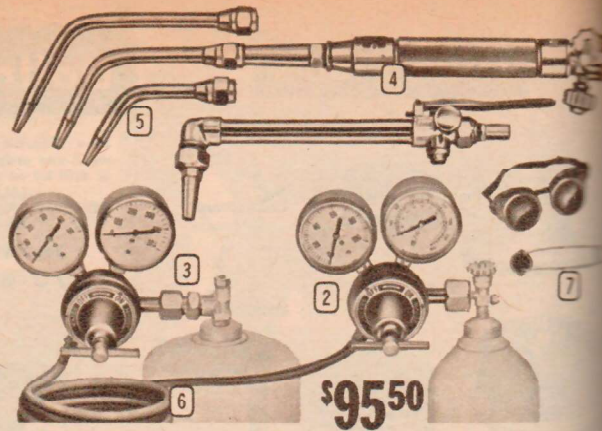
HEAVY-DUTY OUTFIT
Cuts 20-in. Steel

10 **Big Capacity Cutting Set.** Made by world-famous Harris-Calorific. Individual gas mixing for each preheat prevents popping or flashback, in any cutting. Rugged, heavy-duty torch withstands all forms of operational abuse. Oxygen and acetylene regulators pass enough volume to cut 20-in. steel. diaphragm. Solderless construction. torch, No. 2 tip; oxygen, acetylene regulators; goggles; 25-ft. hose; wrench; lighter. Only \$5 Month. Mailable.

84A5824M—Complete. Wt. 30 lbs. Cash \$89.00

84A5822—Cutting Torch Only. Wt. 4 lbs.

11 **Heavy-Duty Cutting Tips.** Fit 10 pre-heat holes in each tip. Sizes: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Ship. wt. 1 lb. 84 A 5823—State size wanted. Each \$5.00



\$95⁵⁰

Our Finest Single-Stage Outfit

2 **POW-KRAFT Gas Welding, Cutting Outfit.** Designed to give you year quality performance. Oxygen regulator has 2 3/4-sq. in. nickel-silver diaphragm; 100 and 3000-lb. gauges. Acetylene regulator has 30 and 300-lb. gauges. Welding Torch is balanced, equal pressure type. Handles all tips. Swivel-type tips permit left or right-hand operation; will not backfire. The Cutting Attachment will cut 6-in. steel. Nickel-silver tubing. Easy assembly with flip-top lever. Gases are mixed in tip, stops popping and backfire. All gas exposed parts are made of non-ferrous metal. Joints are hand-tight to prevent leakage. Guarantee, P. 1059.

Complete Outfit Includes: welding torch; 3 welding tips, sizes 3, 5, and 7; cutting attachment with no. 2 tip; oxygen and acetylene regulators; goggles; torch lighter; two 25-ft. welding hoses; instructions.

84 A 15876 MB—Ship. wt. 25 lbs. Mailable. \$5 down, \$6 Month. Cash \$95.50

Welding Outfit Only. Same as (2) but does not include cutting attachment. 84 A 15875 MB—Ship. wt. 24 lbs. \$5 down, \$5 Month. Cash \$90.50

(3) to (7) Fit Welders (1) and (2).

3 **Single Stage Regulators.** Same superior quality as described in (2) above. Wts. 5 lbs. 8 oz. each.

84 A 5893—Oxygen type. \$19.95

84 A 5894—Acetylene type. \$18.95

4 **Welding Torch.** Same as described in (2) above. Welds metal up to 2 in. thick. Tips not included (see (5) at right). UL approved.

84 A 5880—Ship. wt. 2 lbs. \$13.88

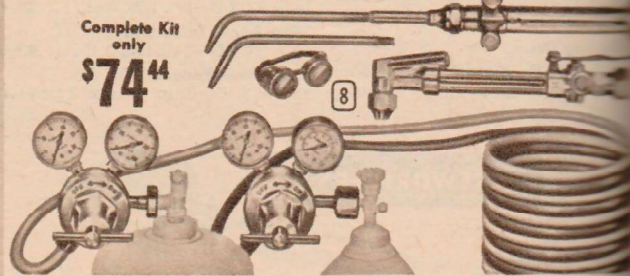
5 **Welding Tips.** Size 1 welds 1/8 in.; size 3, 1/4 in.; size 5, 3/8 in.; size 7, 1/2 in.; size 9, 5/8 in. 84 A 5881—State Size. Wt. 8 oz.

6 **Dual-Type Welding Hose.** Brass coupling. Heat, oil, acid resistant. 84 A 5896—Wt. 7 lbs. Only \$5.00

7 **Torch Lighter for (1), (2) and (3).** Cast-Iron Flux. Wt. each 1 lb. 84 A 5836—Weld; 84 A 5837—Cut

Complete Kit
only

\$74⁴⁴



Exclusive! Lowest Price Welding Outfit

8 **Rugged Lightweight Welding-Cutting Outfit.** Medium-duty. Welds to 1/2 in. steel. Valve-forward torch—easy to adjust. Gooseneck pipeline type gives excellent flame range. REGULATORS are Harris-Calorific's latest design. Full industrial size, 2 3/4-in. diaphragm. 2-in. gauges insure accurate, constant flame regulation. Passes 1500 cu. ft. of oxygen per hour.

CUTTING ATTACHMENT. Cuts through 3-in. steel. Perfect balance with torch. O-ring type valve. Guaranteed*. **OUTFIT INCLUDES:** Welding torch, No. 2 and No. 6 welding tips; oxygen, acetylene regulators; cutting attachment, No. 1 cutting tip; 12-ft. oxygen and acetylene hose; goggles; lighter.

84 A 5851 M—With instructions. Wt. 20 lbs. Mail. \$5 Down. Cash \$74.44

84 A 5850 M—Welding Outfit—Less Cutting Attach. Ship. wt. 18 lbs.

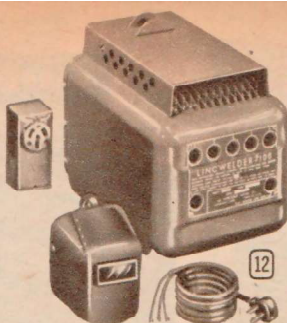
84 A 5353—Set of 4 Welding Tips. Sizes: 0, 4, 8, 10. Ship. wt. 1 lb.

84 A 5854—Set of 3 Cutting Tips. Sizes: 00, 0, 2. Wt. 1 lb.

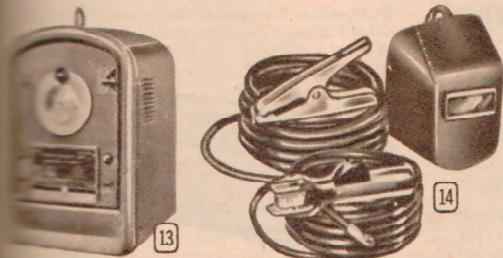
Weld On Your First Try!

\$89⁸⁸

\$5 DOWN



POWER-KRAFT "Selfwelder 100." No experience necessary. Just touch "selfweld" electrode to joint, press, weld. Welds in seconds. Welds to 1/8-in. plate. Max. 100 amp. with 6 taps—range of 50-100 amps. 20% duty cycle. open circuit voltage, 70 volts. For 208 or 230-240 v. 3-phase fused 20 amp. 60-cycle AC only. UL Appr. "selfweld" or regular electrodes—takes rods to 1/8-in. Incl.: 8-ft. electrode cable; holder; 8-ft. 3-wire primary 3-prong receptacle; 7-ft. ground cable; clamp; 3 lbs. electrodes; instructions. For more information, write for Free booklet 84W-67B. Guaranteed.* See P. 1059. 84A 5940 R—Not Mail. Ship. wt. 89 lbs. \$5 Down. Cash \$89.88



POWER-KRAFT Professional Arc Welder. Our finest. Operates every electrode. Condenser, Overload protector, and switch. 250-amp. model has AC stabilizer for arc stability. Can do any arc welding job easily and quickly. Simply adjust current wanted. For more information, write for Free Electric Welding Booklet below. Choose from 3 models:

SPECIFICATIONS	180 AMP (shown) AC/DC	250 AMP AC/DC	250 AMP AC Only
Welding range—amperes...	20-180	30-300	30-300
Open arc volts.....	25 volt	30 volt	30 volt
Open circuit.....	64 volts	70 volts	72 volts
Power—single-phase—volts.....	230	230-460	230-460
Current at rated load	37 amps	50 amps	50 amps
Duty cycle at max. output	20%	30%	30%
Model Number.....	84 A 5944 R	84 A 5947 R	84 A 5943 R
Shipping Weight.....	297 lbs.	412 lbs.	336 lbs.
Cash Price.....	\$335.00	\$395.00	\$235.00

84A 5945 R—2 wheel carriage for (13). Wt. 35 lbs. \$16.95

Accessory Kits. Fit AC/DC, DC Welders. Include ground clamp; head shield; electrode holder; 2 cables.

84A 5945—Kit for (13) and (16). Ship. wt. 17 lbs. \$28.50

84A 5946—Kit for 84A5947R and 5943R. Wt. 17 lbs. \$28.50

Free Electric Welding Book

For more information, How-to tips for electric welding. Request FREE Electric Welding Booklet No. 84W-67B.

Free Gas Welding Book

Describes more specialized equipment. Various tips for different jobs. Request FREE Gas Welding Booklet.

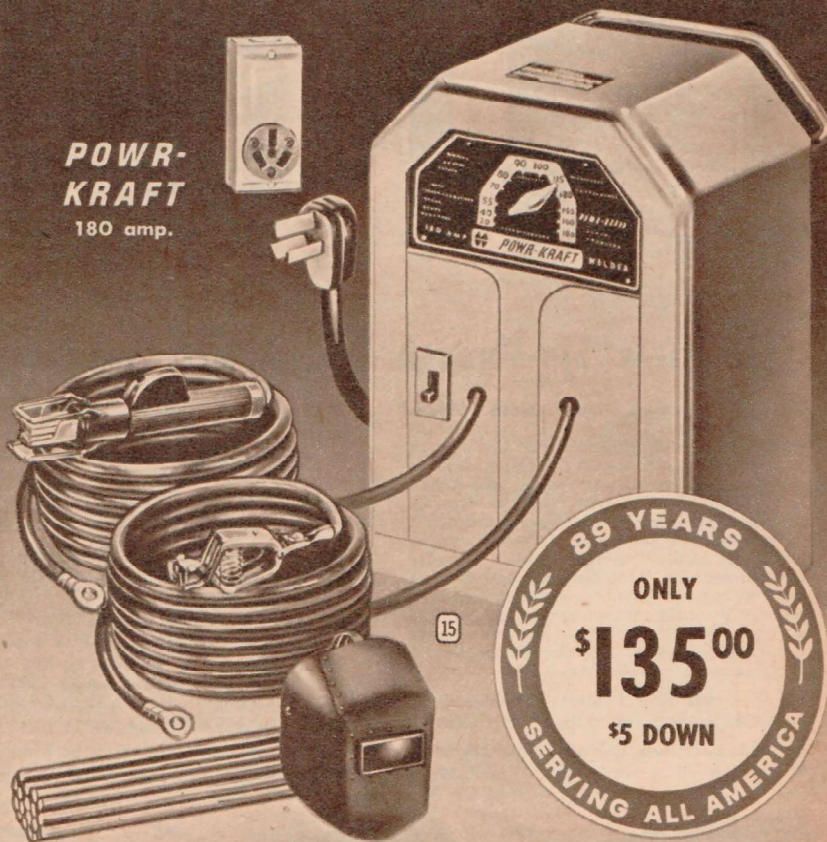
Gasoline Engine-Driven Portable Welder

Back-Mountable. Ideal for farms, garages, repair shops. Cuts, brazes, welds metals any thickness. Easy to operate, accurate current controls. 2-3 HP Wisconsin air-cooled engine. Uses electrode 1/8-in. Range: 20-100 amps. DC. 30% duty cycle at rated output. Includes accessory kit (14). Shipped promptly. Factory near Cleveland, Ohio. Guaranteed—2 years. 84A 5952—552 lbs. \$575.00



Just Flip Dial to Select Welding Heat You Want

POWER-KRAFT
180 amp.

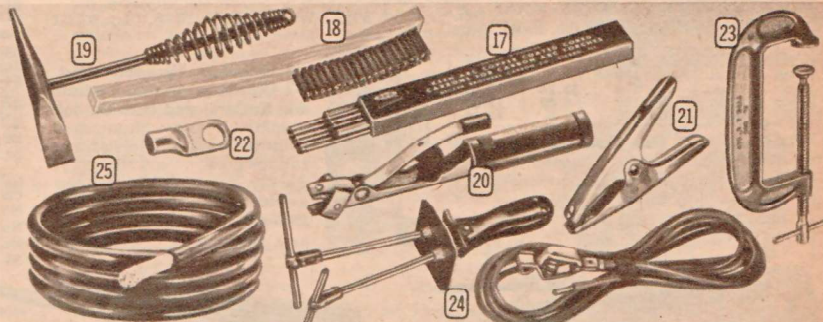


- "Finger-Tip Control" to Select Welding Heat You Want
- Easily Welds Steel from 18-Gauge up to Heavy 1/2-in. Plate
- Pocket Cash Savings—Be Your Own Repairman
- Completely Guaranteed Against Defects for One Full Year

(15) New Dial-Type AC Model. Convenient new design means you no longer fuss with plugs—simply dial the current you want. Do your own welding. Save time, effort, money. Recommend using 3/32 and 5/32-in. electrodes. Will handle up to 3/16-in. electrodes. 20 to 180 amps. 20% duty cycle. Oversize induction transformers. Use on 220-240 v. single phase, 50 to 60 cycle AC. Max. line draw 37 amps. Operator protected by low 58-v. secondary

system. Arc volts 30. Welded steel frame. 22 1/4 x 16 3/4-in. case. Includes: 8-ft. 3-conductor primary cable, electrode holder; 15-ft. ground cable, clamp, helmet, instructions. UL approved; meets or exceeds REA or NEMA requirements. Shipped promptly from Stock. Guaranteed*, see P. 1059. Not Mailable. 84 A 5935 R—Ship. wt. 135 lbs. Cash \$135.00

Wheel Carriage for (15) above. Wt. 5 lbs. 84 A 5936 R—Easy moving, lightweight. \$6.98



- (17) 84 A 5911—10 Copper-Coated Carbons. State Size. 3/32x6 in. 3 oz. \$2.89 1/4x6 in. 5 oz. \$1.34 5/16x6 in. 7 oz. \$1.41 3/8x6 in. 9 oz. \$1.87 84 A 5912—10 Plain Carbons. 1/4x6 in. 5 oz. \$65c
(18) 84 A 5969—Welders' Wire Brush. Wt. 8 oz. 44c
(19) Hand Forged Steel Chipping Hammer. 84 A 5976—Ship. wt. 1 lb. 5 oz. \$2.29
(20) Electrode Holder. Up to 300 amperes. 84 A 5916—Ship. wt. 1 lb. 6 oz. \$3.94
(21) 84A5973—Ground Clamp. 2 3/4-in. jaw. 1 lb. 1.97
(22) Cable Lugs. For cable like (25). Wt. ea. 3 oz. 84 A 5964—No. 1 cable 43c; Nos. 2, 3, 4 ea. 31c
(23) Welding "C" Clamp. Ship. wts. 3, 4 lbs. 84 A 5977—4 in. \$2.95; 6 in. \$3.95

(24) Steel Arc Torch. 5/32 to 3/8-in. carbon cap. 100 amp. at 40 arc v. 10-ft. cord. 84 A 5917—Instructions. Wt. 3 lbs. 12 oz. \$13.41

(25) Welding Cable. Annealed copper wire. 84 A 5963 H—State size, length. 32 AWG.

Size	Amps.	Wt.	Ft.	Size	Amps.	Wt.	Ft.
1	250	4 oz.	37c	3	150	2 oz.	25c
2	200	3 oz.	31c	4	100	1 oz.	19c

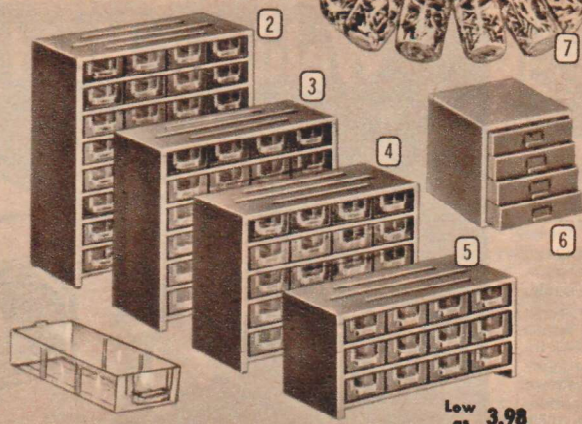
Welding Power Supply Cable. 3-conductor. 84 A 5975 H—Max. 40 amps. 8 oz. \$1.49 Per ft. 49c

USE YOUR
CREDIT

CBA 2 WARDS 1065



SMALL PARTS CABINETS



Low
as 3.98



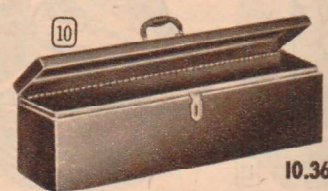
CARPENTERS' BOXES



(8) Carpenters' Boxes lined with natural kiln-dried plywood. 32-gauge steel with simulated mahogany finish. Riveted iron, hasp for lock. Holds complete set of even full-length hand saws. Mailable.

(8) Drop Front Carpenters' Chest. 32x24x10 in. Drawer for small tools. Brackets hold 2 saws. Fold-down handle. Natural wood finish. 84 A 4320 MO—Ship. wt. 21 lbs.

(9) Shoulder Carpenters' Box. 28x8x10 in. Holds 2 saws. Lift-out tray holds small tools. 84 A 4321 M—Ship. wt. 17 lbs.



10.36

(10) Strong Professional Style Carpenters' Box. Built of heavy-gauge steel to meet standards. 32 1/4 x 8 3/4 x 9 in. Has sturdy iron wood blocks to protect saws and other edged tools, slots for carrying try squares for level. Big enough to hold complete set of Piano-type hinge. Copertone baked enamel finish.

84 A 4396 M—Ship. wt. 16 lbs.

CRYSTAL CLEAR "See-Through" Drawers MAKE ITEMS EASY-TO-FIND

(1) to (5) Convenient Parts Cabinets. Choose the size that's right for you from 12, 20, 24, 32, and 48 drawer models. Use them in your workshop, office, sewing room, garage... wherever you need to store small, easy-to-lose items. Clear "see-through" Styrene drawers are 5 3/4 x 2 1/4 x 1 1/4 in. To label them, just drop an index label into handy slot on each drawer front. Drop-in dividers are included to divide each drawer into three compartments. Drawer stops on back of drawers keep them from slipping out. Versatile cabinets can be combined into storage units or mounted on the wall. Sturdy welded steel construction for long wear. Attractively finished in gray enamel.

(1) 48-Drawer Parts Cabinet. 20 1/4 x 12 1/2 x 6 in. 84 A 4382 M—Ship. wt. 16 lbs. Each \$10.95

(2) 32-Drawer Parts Cabinet. 13 3/4 x 12 1/2 x 6 in. 84 A 4377 M—Ship. wt. 11 lbs. Each \$7.98

(3) 24-Drawer Parts Cabinet. 10 1/2 x 12 1/2 x 6 in.

84 A 4379 M—Ship. wt. 9 lbs. Each \$5.98

(4) 20-Drawer Parts Cabinet. 9 1/2 x 12 1/2 x 6 in.

84 A 4374 M—Ship. wt. 9 lbs. Each \$5.69

(5) 12-Drawer Parts Cabinet. 5 3/4 x 12 1/2 x 6 in.

84 A 4373 M—Ship. wt. 5 lbs. Each \$3.98

(6) 4-Drawer Parts Cabinet for neat, compact storage. Heavy-gauge, welded joints. Drawers are 9 x 11 1/4 x 2 in., have 12 compartments, safety drawer stop. Silver-color cabinet, baked blue enamel drawers.

84 A 4371—Ship. wt. 9 lbs. 10 x 11 1/2 x 10 in. \$5.98

(7) Roto Dispenser Set. Twelve 4-oz. jars on rotating metal stand. Mount on wall, shelf. 2000 ass't bolts, screws, washers. Buy complete outfit, save 13%.

84 A 4328 M—Complete Outfit. Wt. 10 lbs. \$4.98

84 A 4322—Dispenser Only. Wt. 4 lbs. 8 oz. 1.98

84 A 432—2000 Pc. Assortment Only. Wt. 5 lbs. 3.79



3.15 pkg.



5.79 pkg.

FAMOUS LINCOLN Electrodes AT MONEY-SAVING PRICES

(11) Lincoln "Selfweld" 8-in. Electrodes. AC or DC. Self-start arc—won't stick. Powdered iron with "match head" tip. Current ignites head, relights it at any point. Wt. 5 1/2 lbs. Pkg. of 152. State diam.

84 A 5994—5/64 in. or 3/32 in. Pkg. \$3.15

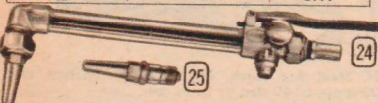
Improved "Fleetweld 37" Steel Rods. For mild steel, wrought iron. A.W.S. Spec. E6013. Buy 50 lbs.—save even more.

84 A 5991 MO—Wts. 11, 52 lbs. State diam.

Diam.	Lgth.	Amp. Range	10 lbs.	50 lbs.
3/32	12 in.	60-100	\$3.24	\$12.44
1/8	14 in.	120-150	12.65	
5/32	14 in.	150-180	3.08	12.65
3/16	14 in.	200-250		12.65

"Fleetweld 180" Mild Steel Electrodes. For vertical welding or dirty, rusted material. AC or DC. To A.W.S. Specifications E6013. 84 A 5995—Ship. wt. 11 lbs. State size.

Diameter	Ampere Range	10-lb. Pkg.
1/8 in.	60-140	\$3.19
5/32 in.	90-200	3.19



(24) Cutting Attachment. RUGGED CONSTRUCTION. Fits 84 A 15875 outfit or torch (4) on Pa. 1064. Lever controls oxygen. UL approved. Order tips below.

84 A 5883—Ship. wt. 1 lb. 8 oz. \$16.74

(25) Cutting Tips. Fit torch (9) Pg. 1064, attachment (24) above. For acetylene cutting only.

84 A 5884—Ship. wt. 6 oz.

State	Cuts	Each
No. 1	to 3/4 in.	\$3.43
No. 2	to 1 1/2 in.	3.43
No. 3	to 4 in.	3.43
No. 4	to 6 in.	3.43

(12) Lincoln "Abraweld" Electrodes. For hard surfacing. Apply high alloy coating to iron, steel. Takes AC or DC current. In 10-lb. pkg. Ship. wt. 11 lbs. State size.

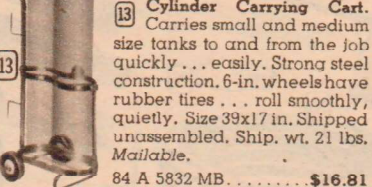
84 A 5993—5/32 in. diam. 75-200 amp. \$5.79

84 A 5993—3/16 in. diam. 110-250 amp. 5.79

Lincoln "Ferroweld" Rods. For cast iron.

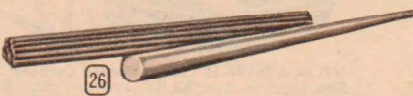
1/8 in. x 14 in. 80 amps. AC and DC.

84 A 5992—Wt. 11 lbs. 10-lb. Pkg. \$3.61



(13) Cylinder Carrying Cart. Carries small and medium size tanks to and from the job quickly... easily. Strong steel construction. 6-in. wheels have rubber tires... roll smoothly, quietly. Size 39x17 in. Shipped unassembled. Ship. wt. 21 lbs. Mailable.

84 A 5832 MB. \$16.81



(26) Macalloy Brazing Rods. 1/8 x 14 in. To join brass.

84 A 5865—Ship. wt. 1 lb. 4 oz. Per lb. \$3.41

84 A 5856H—Copper-Coated Rods. State size. Wt. 5 1/2 lbs.

Size	Quantity	5 lbs.
1/16 x 36 in.	About 164 per 5 lbs.	\$1.61
1/8 x 36 in.	About 40 per 5 lbs.	1.49
3/16 x 36 in.	About 18 per 5 lbs.	1.61
1/4 x 36 in.	About 10 per 5 lbs.	1.31

84 A 5857 H—Bronze Brazing Rods. State size. Wt. 1 1/2 lbs.

1/8 in. About 6/lb. 1 lb. \$1.31; 3/16 in. about 3/lb. 1 lb. \$1.31

84 A 5855 H—Cast-Iron Rods. State size. Wt. 5 1/2 lbs.

3/16 in. 20 rods. Pkg. \$1.84; 1/4 in. 12 rods. Pkg. \$1.74



SAFETY EQUIPMENT

(14) Welders' Goggles. Adjustable. Ventilation ports for cool airflow. 84 A 5905—Ship. wt. 4 oz. \$2.70

(15) Chipping and Grinding Goggles. Clear hardened lenses. Can be adjusted to any facial width. 84 A 5906—Ship. wt. 4 oz. \$2.15

(16) Fiber Glass Welding Helmet. Our finest. Lightweight, heat-resistant and durable. Ratchet head band adjustment. Adj. chin strap. Order lens below. 84 A 5900 L—Wt. 2 lbs. 8 oz. \$10.79

(17) Professional Welders' Helmet. One-piece black fiber construction. Order (18). 84 A 5986—Wt. 2 lbs. 12 oz. \$8.69

(18) Protective Lens. 2x4 1/4 in. For helmets (16), (17), (21). State No. No. 9—For Electrodes to 3/32 in. No. 10—For Electrodes to 1/8 in. No. 11—For Electrodes to 3/16 in. 84 A 5981—Ship. wt. 1 oz. Ea. 87c

(19) 1000-Hour Cover Lens. 2x4 1/4 in. 84 A 5982—Ship. wt. 3 oz. \$2.70

(20) Fiber Glass Safety Cap. Meets gov't. standards. No parts. Adjusts for all head sizes. 84 A 5910—Wt. 1 lb. 8 oz. \$2.15

(21) Safety Face Shield. Adjustable. visibility. Fiber crown. 84 A 5902 L—Ship. wt. 1 lb. \$10.79

(22) Extra Shield Window. Fits 84 A 5903—Ship. wt. 8 oz. \$2.15

(23) Welding Helmet. Insulated. Riveted seams. Wt. 2 lbs. 84 A 5965—With No. 10 lens \$10.79

(24) Asbestos Gloves. 14 in. long. Heavy weave. Jersey lined. 84 A 5959—Wt. 1 lb. 8 oz. \$2.15

(25) Welders' Gloves. Cowhide. Wool lined. Large size. 84 A 5960—Ship. wt. 1 lb. \$2.15



(27) Welding and Cutting Manual. 100 pages. 84 AP 5827—Postpaid. Over 200 photos.

(28) Oxy-Acetylene Handbook. 400 illustrations. (Not Available.)

(29) Farm Arc Welding Handbook. Detailed. 84 AP 5982—Postpaid. 456 pages.

(30) Self-Welding Manual. Gives handy shop hints. 84 AP 5983—Postpaid. Over 125 pages.

(31) Arc Welding Lessons. Ideal for beginners. 84 AP 5981—Postpaid. 343 pages.

1066 WARDS CBA

SATISFACTION
GUARANTEED

MECHANISTS' BOXES



21.94³²

Rugged All-Steel Mechanist's Chest. Heavy-duty model offers maximum storage. Overall size: 20x13x9-in. Drawer width, 1 1/2, 2 3/8 in. deep; one 1 1/2 in.; four 7 1/2x1 in. Drawers have bottoms, glide smoothly over track, when cover is closed. Sturdy handle, iron handle. Coppertone finish. 2 keys included. Mailable.

84 335 MB—Ship. wt. 30 lbs.... \$21.94



28.50³³

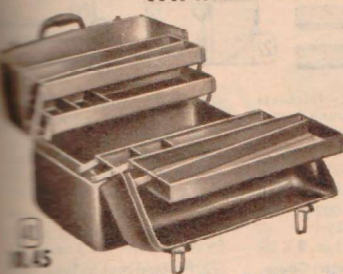
For Mechanists' Chest. Rugged oak construction. Lacquered finish. Side panels of drawers white pine. Size: 13 1/4 in. Built-in lock. Open-top compartments with mirror, clip, irons. Front slides out of way. 7 drawers: four 8 1/4x6 3/4x7 3/8 in.; one 8 1/4x6 3/4x7 3/8 in.; one 18x6 3/4x7 3/8 in.; one 18x6 3/4x7 3/8 in. \$3 Down on Terms. Mailable.

84 345 MB—Ship. wt. 25 lbs. Cash \$28.50



1.98⁴⁰

Tote Tray. Use to carry tools, garden supplies. Handy tray. Heavy-gauge steel, baked enamel finish. 18x6x8 in. Wt. 3 1/2 lbs. 84 A 4302.....\$1.98



1.45

Heavy POWER-KRAFT 4-Tray Cantilever Box. When box is opened, trays automatically spread out—hold hundreds of parts and tools. Overall size: 17x8 1/2x10 1/2 in. deep. Trays have convenient notches for small items. Rounded water shed cover styling. Heavy-gauge steel with electrically welded joints for greater strength. Handsome gray hammertone finish with green trays. Piano-type hinge. Includes draw bolts and hasp.

84 4356 M—Ship. wt. 10 lbs..... Only \$10.45



6.75⁴⁶

Flat-Top Tool Box. Ideal for mechanics. Holds large assortment of sockets, tools and parts. Handy 3-compartment lift-out. Rounded edge lid gives greater protection. Has two side handles plus hasp and staple for locking. Heavy-duty construction. Coppertone finish. Box 84 A 4313 M has draw bolt.

84 4313 M—Size overall: 21 1/4x8 3/4x9 1/4 in. Ship. wt. 15 lbs. \$6.75

84 4307 M—Size overall: 19x6 1/2x6 1/4 in. Ship. wt. 9 lbs.... 5.75

Dollar Saver

Buy Chest and Cabinet for \$69.69

SAVE \$6.63

ON COMBINATION OFFER

- Welded auto steel construction—for double strength
- Professional quality and design at Wards low prices
- Cabinet rolls on 3-in. casters, two swivel braked

POWER-KRAFT Cabinet, Chest Combinations. Buy roll-away cabinet and matching chest at an extra saving. Reinforced heavy-gauge steel, chromed drawer pulls. Coppertone finish. Drawers lock when cover is closed. 2 keys, piano-type hinges. Wts. 150, 155 lbs.

84 A 4325 R—Cabinet (35) with Chest (34).....Cash \$69.69

84 A 4326 R—Cabinet (35) with Chest (38).....Cash 78.95

34 Heavy-Duty Tool Chest with tote tray. Coppertone finish. 84 A 4391 MO—3-drawer. 26x14 1/2x12 1/2 in. Wt. 55 lbs....\$31.46

35 Roll-A-Way Cabinets. Full size, built to industrial standards. Flush to front construction utilizes all space. Maximum drawer capacity. No lost space for useless panels. Drawers close smoothly.

3 DRAWER CABINET. Size overall: 26 3/4x17x31 1/2 in. Top and center drawers: 20 1/2x16 5/8x27 3/8 in. Bottom drawer: 20 1/2x16 5/8x5 3/8 in. Compartment: 26 1/4x16 5/8x12 1/4 in. Baked Coppertone finish.

84 A 4388 R—Ship. wt. 95 lbs. \$4.50 Down.....Cash \$44.86

36 7 Drawer Cabinet. Deluxe model. 4-in. casters, 2 swivel with brakes, 2 fixed. Maximum drawer capacity. Size overall: 26 3/4x17x38 in. 2 top drawers: 9 5/8x16 3/4x1 3/4 in. 2 drawers: 20 1/2x16 3/4x1 3/4 in. 2 drawers: 20 1/2x16 3/4x2 3/4 in. Bottom drawer: 20 1/2x16 3/4x4 1/2 in. Full size compartment: 26x16 3/4x13 3/8 in. Coppertone finish.

84 A 4389 R—Ship. wt. 120 lbs. \$7.00 Down.....Cash \$66.86

37 TO 39 Tool Chests. Tote trays divided into convenient compartments. Heavy-duty steel construction. Coppertone finish.

(37) 84 A 4390 MB—2 Drawer. 26x10x11 in. Wt. 36 lbs....\$23.66

(38) 84 A 4392 MO—6 Drawer. 26x14 1/2x12 1/2 in. Wt. 55 lbs....\$38.66

(39) 84 A 4393 R—10 Drawer. 26x12 5/8x18 1/2 in. Wt. 75 lbs....\$49.92



23.66³⁷



38.66³⁸



49.92³⁹

VERSATILE TOOL BOXES FOR EVERY USE

(42) TO (44) POWER-KRAFT General Purpose Boxes. For sportsmen, handy-men or professional craftsmen. Keep tools orderly. Heavy-gauge all-steel construction features strong, electrically-welded joints, rolled edges, reinforced corners, strong full-length piano-type hinges. Smooth comfortable handles. Rust-resistant baked Coppertone finish.

(42) Gable Top Utility Box. Drop front makes tools accessible without removing tote tray. Heavy-duty construction to take rugged use. Socket slots and sturdy carrying bar. Overall size: 21 1/8x8 1/2x9 3/8 in. 84 A 4394 M—Ship. wt. 13 lbs.....\$6.98

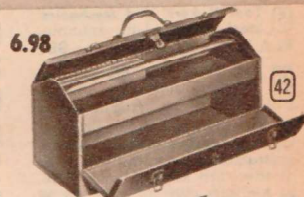
(43) (44) Industrial-Type Hip Roof Tool Boxes. Heavy-duty. Double cover provides easy access. Double handle to prevent spilling. Complete with tote tray.

(43) 84 A 4324M—21x8 1/2x7 1/4 in. Ship. wt. 12 lbs..\$5.42

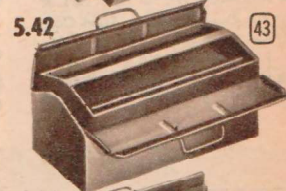
(44) 84 A 4323M—19x6 1/2x6 1/4 in. Ship. wt. 8 lbs.. 4.66

(45) Single Cantilever All-Purpose Utility Chest. Makes a perfect lightweight tool chest or service kit. Overall size: 13 1/2x6 1/2x4 1/2 in. Key lock helps prevent spilling. Steel handle with plate.

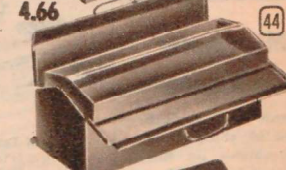
84 A 4305—Ship. wt. 3 lbs. 8 oz.....\$2.29



6.98



5.42



4.66



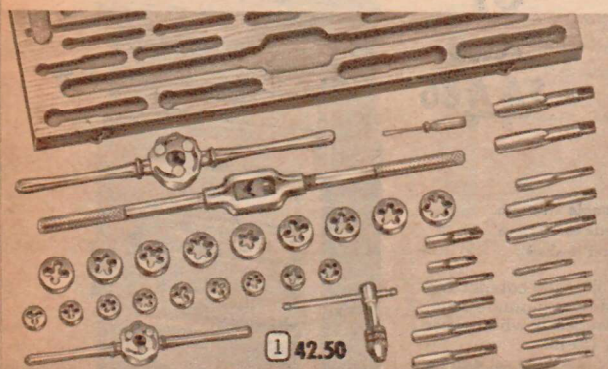
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Just Say Charge It!

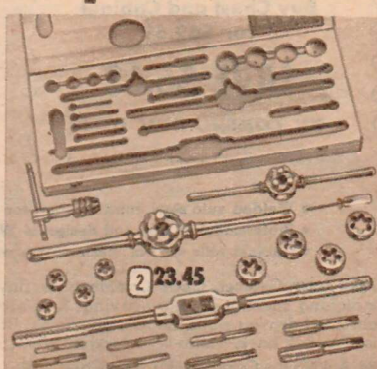
SEE PAGE 1281

BA WARDS 1067

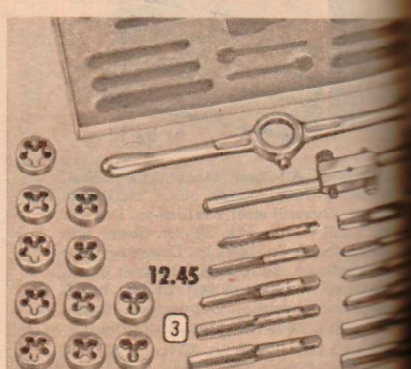
POWER-KRAFT Tap and Die Sets ARE BEST



1 42.50



2 23.45



3 12.45

1 43-Pc. Set. High-Carbon Steel. Cuts precise threads, coarse or fine. Also cuts 1/8 and 1/4-in. pipe. Includes: straight handle industrial tap and reamer wrench for all taps; T-tap wrench for taps up to 1/2 in.; adjustable guide die stocks for 1 and 1 1/2-in. outside diam. split type adjustable dies—cut tight standard or loose external threads; screwdriver and 1-inch long lasting Tap, adjustable dies for NATIONAL COARSE thread sizes—1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x13, 5/8x12, 3/4x11, 7/8x10; NATIONAL FINE—1/4x28, 5/16x24, 3/8x24, 7/16x20, 1/2x20, 5/8x18, 3/4x16; plus and 1/4-in. solid pipe dies. All parts rust-resistant.
84 A 5537 M—Wood case. Ship. wt. 16 lbs. \$4.50 Down.... Cash \$42.50

2 22-Piece Set. Same construction as (1). Taps and dies to cut 1/4 to 3/4-in. NATIONAL COARSE: 1/4x20, 5/16x18, 3/8x16, 1/2x13, 5/8x12, 3/4x11, 7/8x10. With 2 adjustable die stocks, screwdriver and 2 tap wrenches.
84 A 5536 M—Wood case. Ship. wt. 11 lbs. \$2.50 Down.... Cash \$23.45

40-Piece Set. Top quality. Cut 17 different threads with tap and adjustable 1-in. die in NATIONAL COARSE sizes: 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x13, NATIONAL FINE: 1/4x28, 5/16x24, 3/8x24, 7/16x20, 1/2x20, MACHINE SCREW: 4x36, 6x32, 8x32, 10x24, 10x32, 12x24; Plus 1/8-in. pipe, adjustable guide die stock, straight handle tap wrench, T-handle tap wrench for machine screw taps, screw pitch gauge, screwdriver, plastic case.
84 A 5535—Ship. wt. 4 lbs. \$2.50 Down, \$4 Monthly..... Cash \$22.35

3 25-Piece Tap and Die Set... cuts 11 sizes. Drop-forged die stock, adjustable tap wrench. Includes tap and die in sizes: NATIONAL COARSE: 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x13; NATIONAL FINE: 1/4x28, 5/16x24, 3/8x24, 7/16x20, 1/2x20, 5/8x18, 3/4x16. Includes sturdy steel box.
84 A 5526—Ship. wt. 6 lbs.... \$12.45

13-Piece Set. Like (3). Cuts Nat'l. Cse. 84 A 5525—Wood box. Wt. 3 lbs. \$5.94

25-Piece Automotive Set with Hexagon Dies. Adjustable die stock—use also with any 1-in. hexagon socket wrench. Tap and 1-in. hexagon dies in same sizes as in set (3). With sturdy wood case.
84 A 5527—Wt. 5 lbs. 8 oz.... \$14.89

Hexagon Adapter. Adapts dies for use with 1/2-in. socket wrench, ratchet.
84 A 5539—Ship. wt. 3 oz.... \$1.25

"T" Tap Wrenches. Hold drills, reamers, 84 A 5556—State size. 1/2 to 1 1/4 in. Ship. Wt. 4 oz. 7/32 to 5/16 in. Wt. 4 oz. 55c; 1/4 to 1/2 in. Ship. Wt. 7 oz. 1.25

Adjustable Die Stock. Same as in set (3) above.

84 A 5555—Ship. wt. 10 oz.... \$12.45

No. 88 Tap and Reamer Wrench.

84 A 5557—Ship. wt. 10 oz.... \$12.45

Extra Taps, Dies for Sets above. State size, Coarse

NATIONAL FINE					NATIONAL COARSE				
N.F. Size	Wt. Oz.	Taps	Dies	84 A 5552	N.C. Size	Wt. Oz.	Taps	Dies	84 A 5551
10-32	3	35c	65c		4-36	3	31c		
1/4-28	3	35c	65c		6-32	3	31c		
3/8-24	3	38c	65c		8-32	3	31c		
1/2-20	3	47c	65c		10-24	3	35c		
5/8-18	3	51c	65c		12-24	3	35c		
3/4-16	3	60c	65c		14-20	3	35c		
1/2-in. Pipe	3	55c	65c		1/2-18	3	38c		
					3/4-16	3	47c		
					7/8-14	3	51c		
					1-12	3	60c		

SAVE 10% on Orders of \$15 or More

Build your Precision Tool Order to \$15 or More, then subtract 10% from Prices Shown. This offer applies only to items (4) to (29) below.



PRECISION TOOLS

4 Sliding Caliper Rule. 1-hand operation. 6-in. steel scale. Locknut. Grad. in 8ths, 16ths, 32nds, 64ths. 1 1/2-in. jaw.
84 A 5016D—Ship. wt. 3 oz. \$9.95

5 Tool Makers' and Mechanics' Steel clamps. 1-in. opening.
84 A 5019D—1 3/4-in. jaw. 2 oz. 98c

6 Key Seat Rule Blocks. For parallel lines on cylinders.
84 A 5029D—1 1/2 in. Wt. 2 oz. \$1.29

7 Multi-Use Steel Rule, Gauge. Drill point gauges, 4-in. scale, protractor, center finder, circle divider, tap table. Plastic case.
84 A 5044D—Wt. 2 oz.... \$1.33

8 Outside, Inside Steel Calipers. State size. 3, 4 oz.

Type	Cat. No.	6 in.	8 in.
(8) Outside	84 A 5025D	\$1.79	\$2.25
(9) Inside	84 A 5024D	1.79	2.25

10 Spring Dividers. Tempered spring. Wts. 3, 8 oz. State 1/4th.
84 A 5022D—6 in. \$1.79; 8 in. \$2.25

11 Depth Gauge. 6-in. rule grad. 32nds, 64ths on reverse.
84 A 5012D—Ship. wt. 2 oz. \$2.48

12 Vernier Calipers. Measure inside, outside, depth. 5-in. rule in 16ths and 32nds.
84 A 5048 D—Wt. 2 oz.... \$1.29

13 Economy Flexible Steel Rule. 84 A 5010D—6x1/2 in. 2 oz. 29c

14 Professional Steel Rules. Graduated 8ths, 32nds, 64ths.
(14) Rigid. 6 in. long; 3/4 in. wide.
84 A 5007 D—Wt. 2 oz.... \$1.39

(15) Flexible. 6 in. long; 1/2 in. wide.
84 A 5009 D—Wt. 2 oz.... \$1.09

16 Tap and Drill Gauge. Determines size of taps, drills.
84 A 5046 D—Wt. 5 oz.... \$1.29

17 Machinists' Comb. Square. 12-in. steel blade. 8ths, 16ths, 32nds, 64ths. 45°, 90° angled sliding head. Level glass, scriber, 360° protractor.
Buy Complete Set. Save \$2.40.
84 A 5003 D—2 1/4 lbs.... \$10.79

18 Sliding Sq. Head, Blade Only. 84 A 5001 D—Wt. 13 oz. \$6.30

Sq. Head, Blade, Center Head. 84 A 5002D—Wt. 1 lb. 6 oz. \$7.60

Protractor with Level Glass. 84 A 5004 D—Wt. 15 oz. \$5.59

19 Double Adjustable Square. Bevel and 59° drill point angle blades. 4-in. size.
84 A 5008D—Ship. wt. 5 oz. \$6.49

20 Surface Gauge. Polished faces. Removable 5-in. spindle. 3x2 1/2 x 7/8 in. base.
84 A 5091 D—Wt. 2 lbs. \$5.94

21 Professional Thickness (Feeler) Gauges. Precision machined tempered steel.
(20) 26-Blade. From .0015 to .025 in. thick. Size: 3 1/4 x 1/2 in.
84 A 5013D—Ship. wt. 3 oz. \$3.29

(21) 7-Blade. From .002 to .015 in. thick. Size: 2 1/4 x 1/2 in.
84 A 5011D—Ship. wt. 1 oz. \$1.19

Economy Thickness (Feeler) Gauge. 26-Blade. .0015 to .025 in. thick.
84 A 5047D—3 1/4 x 1/2 in. 3 oz. 98c

22 Stainless Steel Protractor. Squarehead design. Measures 0 to 180°. Ship. wt. 2 oz.
84 A 5034 D..... \$1.29

23 Speed Indicator. For high speed precision work. Shows right or left hand revolutions.
84 A 5040 D—Wt. 6 oz.... \$3.09

24 to 26 Scribes. Hone steel points. crossed no-slip grips.

(24) Combination. Pack of 3. 84 A 5028D—7 in. Wt. 1 lb. 1 oz.

(25) Single Point. Wt. 1 oz. 84 A 5018D—5 in. long

(26) Double Point. 8 1/2 in. 84 A 5020 D—Wt. 1 oz.

27 Professional V-Type Gauge. Swedish Steel. 30 pitches. Nos. 4 to 42. Include Nos. 11 1/2 and 2. 84 A 5015 D—Wt. 2 oz.

28 Center Gauge. For graduated 14ths, 24ths, 32nds, 1 corner. 84 A 5035 D—Wt. 1 oz.

29 Universal Wiggler. chuck, 1 straight, 1 nation ball-straight point. 84 A 5092 D—Wt. 4 oz.

Micrometer Guarantee

Wards will replace free of charge any micrometer on this page if found defective in material or workmanship or which is found to be inaccurate when properly used.

1068 WARDS CBASK



30 Dial Test Indicator. Checks if round object is true. Measures + or - tolerances .001 to .200 in. 6x3/4 x 3/8-in. tool post holder threaded to take upright spindle. Bar and body clamp. Case included.
84 A 5057—Ship. wt. 3 lbs. 8 oz.... \$24.95

31 Inside Micrometer. For close internal linear measurements by 1/1000ths in. Includes: micrometer, handle, wrench and case. Chrome plated. State size.
84 A 5064—1 1/2 to 8 in. Wt. 1 lb.... \$18.95
1 1/2 to 12 in. Wt. 1 lb.... 22.95

32 Depth Micrometer. For slots, holes to 3 in. Graduated 1/1000ths in. 3 measuring rods, 1/2-in. diam.
84 C 5063—Chrome spindle. With case. Wt. 12 oz. \$14.95

33 Friction Thimble Micrometer. Double feature—Direct Feel plus Friction Thimble. L-hand operation.
84 A 5061—0 to 1 in. Ship. wt. 5 oz.... \$15.25

34 Student Micrometer. Easy to read. 1-piece spindle.
84 A 5072—1 to in. by 1/1000ths. Wt. 4 oz.... \$2.50

Standards for Micrometers (36). State size. Wt. 3 oz.
84 A 5080—1 in. \$1.50; 2 in. \$1.75; 3 in. \$2.00; 4 in. \$2.25

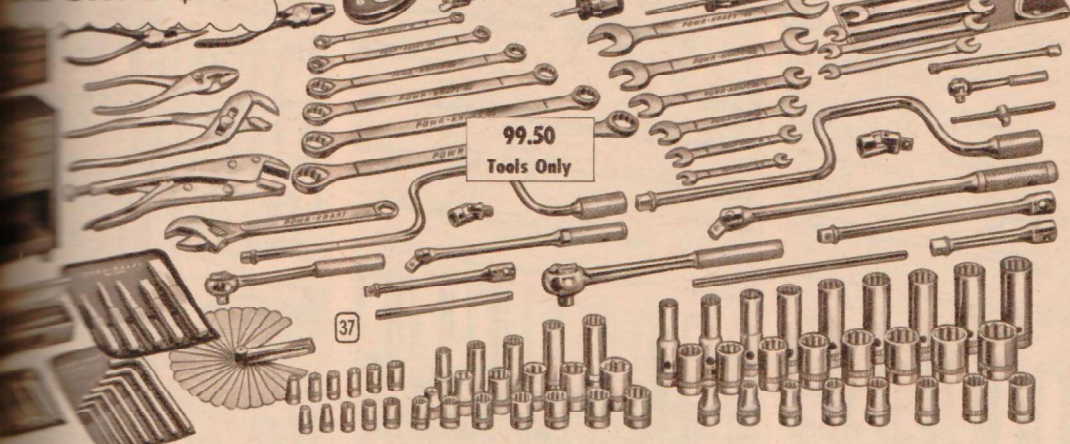
35 8-Pc. Micrometer Set. Includes: listed in (36) below. With scale and Case. Standards.
84 A 5075—Ship. wt. 4 lbs.... \$12.45

36 Individual Micrometers. Same as above. Graduated 1/10,000ths

Measures	Cat. No.	Ship. wt.
0 to 1 in.	84 A 5081	7 oz.
1 to 2 in.	84 A 5082	12 oz.
2 to 3 in.	84 A 5083	12 oz.
3 to 4 in.	84 A 5084	1 1/4 lbs.

Our Finest Tool Set

plus Rollaway
World Cost over
Purchased sepa-
Wards Catalog.
SAVE \$18



122 Tools with Rollaway Cabinet \$134⁵⁰—with 3-Drawer Chest \$125⁰⁰

Complete POWR-KRAFT Socket Wrench and Hand Tool Outfit. Includes widest range of top quality alloy steel sockets plus assortment of most popular mechanic's tools. Choose 3-Drawer Rollaway Cabinet or 3-Drawer Chest to store conveniently and handily. Outfit includes the following items:

DRIVE SOCKET SET. Includes reversible ratchet, "T" handle; extension; eight 6-pt. sockets— $\frac{1}{4}$, $\frac{7}{32}$, $\frac{1}{2}$, $\frac{9}{32}$, $\frac{5}{16}$, $\frac{11}{32}$, $\frac{3}{4}$, $\frac{13}{16}$ in.; three 8-pt. sockets— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{4}$ in. Packed in sturdy impact plastic box.

DRIVE SOCKET SET. Includes $\frac{7}{16}$ -in. reversible ratchet; 17-point handle; $\frac{11}{16}$ -in. flex handle with cross bar; 6-in. extension; universal joint; seven 12-point sockets— $\frac{1}{4}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$ in.; one 6-point $\frac{3}{8}$ -in. socket; five deep wall sockets— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ in.

DRIVE SOCKET SET. Includes $\frac{10}{16}$ -in. reversible ratchet; speeder handle; $\frac{15}{16}$ -in. flex handle with cross bar; $\frac{5}{16}$ in. extensions; 90° universal joint; fifteen 12-pt. sockets— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ in.; one 6-pt. $\frac{3}{8}$ in. socket; five 8-pt. sockets— $\frac{1}{4}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$ in.

$\frac{3}{4}$ in.; nine 12-point deep wall sockets— $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ and 1-in. sizes.

WARDS FINEST WRENCH SETS: Six box end wrenches— $\frac{3}{8}$ x $\frac{7}{16}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$, $\frac{15}{16}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{13}{16}$; six open end wrenches— $\frac{3}{8}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$, $\frac{15}{16}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{13}{16}$; four check nut wrenches— $\frac{7}{16}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$; set of 9 Allen set screw wrenches; 10-in. adjustable wrench.

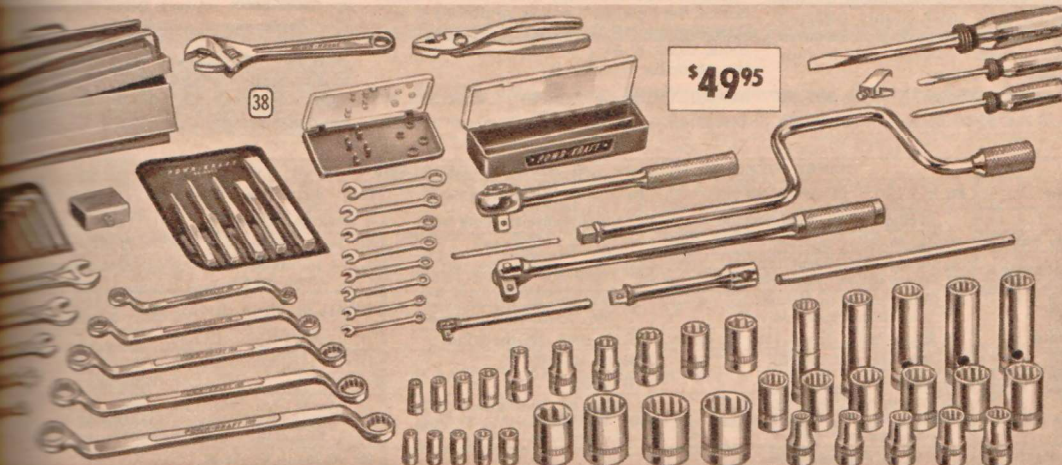
OTHER BEST QUALITY TOOLS: 5-pc. punch and chisel set; 3 mechanic's screwdrivers—3, 6, 8 in.; 2 Phillips screwdrivers—No. 1 and 2; 2 ball pein hammers—8 and 16 oz.; 10-in. locking pliers; 6-in. lineman's pliers; 6-in. combination pliers; 6-in. long nose pliers; 10-in. groove joint pliers; 26-leaf feeler gauge; 6-pc. ignition set; adjustable hack saw with blade.

Tool Outfit is available alone, with Rollaway Cabinet or with 3-Drawer Chest, see Page 1067 for description of Cabinet and Chest. Tool Set is *Available*; others *Not Available*.

84 A 4776R—Complete Set with Cabinet. Wt. 133 lbs. \$134.50

84 A 4775 R—Complete set with Chest. Wt. 93 lbs. 125.00

84 A 4777 MB—Tool Set Only. Ship. wt. 38 lbs. 99.50



Our Most Popular Socket and Tool Set... 81 Pieces

Designed to handle all types of repair and assembly jobs. Sockets are all finest alloy steel; have all features described. Hard-wearing rust-resistant chromium finish. Knurled sockets for easy grasp always.

DRIVE SOCKET SET. Includes $\frac{1}{4}$, $\frac{9}{32}$, $\frac{5}{16}$, $\frac{11}{32}$, $\frac{3}{8}$, $\frac{7}{16}$ in. sockets; $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ in. eight point sockets; flex handle with cross bar, in high impact plastic box.

DRIVE SOCKET SET. Includes $\frac{10}{16}$ -in. reversible ratchet; speeder handle; $\frac{15}{16}$ -in. flex handle with cross bar; $\frac{5}{16}$ in. extensions; 90° universal joint; eleven 12-pt. sockets— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ in.; one 6-pt. $\frac{3}{8}$ in. socket; 5 12-pt. deep wall $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ in.

WRENCHES. 8-pc. ignition set, open and box end— $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$, $\frac{15}{16}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{13}{16}$; 5-pc. box end set: $\frac{3}{8}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$, $\frac{15}{16}$ x $\frac{1}{2}$; 5-pc. open end set: $\frac{5}{16}$ x $\frac{1}{2}$, $\frac{3}{8}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$; 8-in. adjust. wrench; 9-piece Allen wrench set.

MISCELLANEOUS: 5-pc. punch and chisel set; 2 POWR-KRAFT screwdrivers—3, 6 in.; No. 1 Phillips 3-in. screwdriver; 6-in. comb. pliers. 21x8 $\frac{1}{2}$ x7 $\frac{1}{4}$ in. steel tool box, tote tray. \$5 Down, \$5 Monthly. *Available*. Shipping wt. 29 lbs.

84 A 4778 MB.....Cash \$49.95

Value Leader... Socket and Tool Outfit \$29⁹⁵

POWR-KRAFT 52-Pc. Tool Kit. Low price bargain.

DRIVE SOCKET SET. With 10-in. "T" handle, speeder handle, 10 and $\frac{5}{16}$ -in. extensions, reversible ratchet, universal joint, eleven 12-pt. sockets— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ in.

DRIVE SOCKET SET. Includes $\frac{1}{4}$, $\frac{9}{32}$, $\frac{5}{16}$, $\frac{11}{32}$, $\frac{3}{8}$, $\frac{7}{16}$ in. six pt. sockets; $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ in. eight pt. sockets; flex handle with cross bar; in box.

MISCELLANEOUS. 5-pc. open end wrench set— $\frac{5}{16}$ x $\frac{1}{2}$, $\frac{3}{8}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$; 5-pc. long box end wrench set— $\frac{3}{8}$ x $\frac{1}{2}$, $\frac{1}{2}$ x $\frac{9}{16}$, $\frac{5}{8}$ x $\frac{1}{2}$, $\frac{3}{4}$ x $\frac{13}{16}$, $\frac{15}{16}$ x $\frac{1}{2}$; 9-pc. Allen wrench set. 6-in. comb. plier, 6-in. standard screwdriver, No. 1-3 inch Phillips type, screwdriver. 19x6 $\frac{1}{2}$ x3 $\frac{1}{2}$ in. tool box. Everything you need to do the job.

84 A 4774 M—Ship. wt. 19 lbs. \$3 Down..Cash \$29.95

Here's Why POWR-KRAFT Sockets are Best:



GUARANTEE. Strongest we know of. Wards will replace Free of Charge any POWR-KRAFT alloy steel socket set parts that break for any reason, under normal use.

POWR-KRAFT Ratchet. Here's the heart of any tool set... features 7° ratchet action... a full 52 separate holds in each complete turn. Easy removal always... even from the closest jobs.



Precision Engineering and Special Alloy Steel for uniform, extra strong, thin wall sockets. Note POWR-KRAFT (A). Others (B) have uneven walls, a common cause of wrench failure.

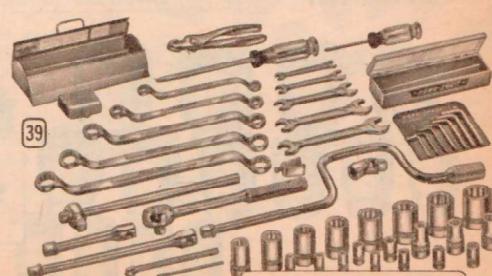


Sockets slip on, stay on. Retaining groove on all four sides of wall of sockets. Angle on other end lets socket slip easily onto nut. Saves time, saves temper.



POWR-KRAFT Sockets, Fittings and Handles are a full 25% stronger—made of tough, chromed alloy steel... highly polished for brilliant rust resistant finish, longer life.

Charge It See Page 1281



CBSK WARDS 1069

69-Pc. Set
\$53⁵⁰
Less Box

44-Pc. Set
\$34⁷⁵
Less Box

31-Pc. Set
\$24⁹⁵
Less Box

17-Pc. Set
\$18⁷⁵

Our Biggest Socket Set

1 **POW-KRAFT** 1/4, 3/8 and 1/2-inch Drive Socket Set. Widest range of sockets. Used by professional mechanic, handyman. Sockets slip on... stay on. Retaining groove on wall of socket. Angle on other end lets socket slip onto nut easily. Sockets, Fittings and Handles are a full 25% stronger—made of tough, chromed alloy steel, highly polished for brilliant rust-resistant finish, longer life. Sockets meet U.S. Government specifications. "Handy Socket Set Selector" below. Add to your socket set... order accessories from opposite page.

84 A 4831Y—Complete Set. Ship. wt. 32 lbs. \$6 Down... Cash **\$57.50**
84 A 4830 M—Without Box. Ship. wt. 20 lbs. \$5.50 Down. Cash **53.50**

See Why **POW-KRAFT** Sockets are the Best, turn to Page 1069.

Guarantee. Strongest we know of. Wards will replace Free of charge any Pow-Kraft alloy steel socket set parts that break for any reason under normal use. Why take less?

Precision Engineering and Special Alloy Steel for uniform, extra strong, thin wall sockets. Why take less... Wards offer you the best.

JUST SAY
"Charge It!"
See Page 1281

Versatile 1/4 and 1/2-in. Set

2 **POW-KRAFT** 1/4 and 1/2 inch Drive Socket Set gives a mechanic the sockets he needs for nearly every job... and it can be yours for as little as \$3.50 Down when you use Wards convenient Terms. Set has a convenient 19x6 1/2x6 1/4-inch tool box to carry all tools you need to the job. Sockets have a retaining groove on wall... angle on other end lets socket slip onto nut easily. Sockets, fittings and handles are a full 25% stronger because they are made of tough chromed alloy steel. See "Handy Socket Set Selector" below for details of set. Sockets meet U. S. Government Specifications. GGG-W-64 1 B. Ship. wt. 20 lbs., 14 lbs. Available from Stock.

84A4817Y—Complete Set. \$4 Dn. Cash **\$38.75**
84A4816M—Less Box. \$3.50 Dn. Cash **34.75**

Most Complete 1/2-in. Set

3 Most Complete **POW-KRAFT** 1/2-inch Drive Socket Set. Wide range of sizes. Handles and sockets without rough wear... tough, chromed alloy steel. See Socket Set Selector below. Sockets, 19 lbs. and 12 lbs. \$3 Down.

84 A 4803Y—Complete Set...Cash **\$28.75**
84 A 4802M—Without Box...Cash **24.75**

Pow-Kraft 1/2-in. Starter Set

4 **POW-KRAFT** 1/2-inch Drive "Starter" "Replacement" Socket Set. Contains sockets most often needed by farmers, mechanics and home owners... an ideal set to start with... add pieces as you need them. See Socket Set Selector below.

84 A 4818 M—Mail. Wt. 12 lbs. ...Cash **\$18.75**

HANDY SOCKET SET SELECTOR—SEE WHAT YOU GET IN SETS (1) TO (4)

Item	Pc.	1 69-Pc. Set	Pc.	2 44-Piece Set	Pc.	3 31-Piece Set	Pc.	4 17-Piece Set
Tool Box		21x8 1/2x7 1/4-in. (tote tray)		19x6 1/2x6 1/4-in. (tote tray)		19x6 1/2x6 1/4 in.	(1)	19x6 1/2x3 3/4 in.
Reversible Ratchet	(3)	1/4, 3/8, 1/2-in. drives	(2)	1/4, 1/2-in. drives	(1)	1/2-in. drive	(1)	1/2-in. drive
Speeder Handle	(2)	3/8-in. drive, 17-in. length 1/2-in. drive, 18-in. length	(1)	1/2-in. drive, 18-in. length	(1)	1/2-in. drive, 18-in. length	(1)	1/2-in. drive, 17 3/8-in. length
Extension	(4)	6-in. (1/4, 3/8-in. drives) 5 1/2, 10-in. (1/2-in. drive)	(3)	6-in. (1/4-in. drive) 5 1/2, 10-in. (1/2-in. drive)	(1)	5 1/2-in. (1/2-in. drive)	(2)	5 1/2, 10 in. (1/2-in. drive)
Flex Handle	(2)	8-in. (3/8-in. drive) 15 1/2 in. (1/2 in.)	(1)	15 1/2-in. (1/2-in. drive)	(1)	15 1/2-in. (1/2-in. drive)		
Crossbar	(2)	for 8 in. and 15 1/2 in.	(1)	for 15 1/2 in.	(1)	for 15 1/2 in.		
Sliding "T" Handle	(1)	1/4 in.	(1)	1/4 in.			(1)	1/2 in.
1/2-Inch Drive Sockets	12-Point	(15) 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 23/32, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in.	(14)	7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in.	(14)	7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in.	(11)	7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in.
	8-Point	(5) 7/16, 1/2, 9/16, 5/8, 3/4 in.			(5)	7/16, 1/2, 9/16, 5/8, 3/4 in.		
	6-Point	(1) 3/8 in.	(1)	3/8 in.	(1)	3/8 in.		
1/4-Inch Drive Sockets	Deep Wall	(9) 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 in.	(8)	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 in.	(5)	3/8, 7/16, 1/2, 9/16, 5/8, 3/4 in.		
	8-Point	(3) 1/4, 5/16, 3/8 in.	(3)	1/4, 5/16, 3/8 in.				
	6-Point	(8) 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16	(8)	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16				
3/8-Inch Drive Sockets	Box for	(1) 75/16x27/16x1 1/8 in.	(1)	75/16x27/16x1 1/8 in.				
	12-Point	(7) 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16						
	6-Point	(1) 3/8 in.						
Deep Wall	(5)	7/16, 1/2, 9/16, 5/8, 11/16 in.						

Check all the outstanding features of Wards Socket Sets shown on Page 1069. Wards sockets and all drive parts are standard size and will fit any other brand sets of the same square drive size.

NEW Heavy-Duty 3/4-in. Set

5 **POW-KRAFT** 20-Pc. Socket Set. For BIG jobs on trucks, farms, industrial, oil field machinery. 3/4-in. reversible ratchet with 28-tooth action, 21-in. handle, crossbar; 8, 16-in. extensions; fourteen sockets: 19/16, 1, 1 1/16, 1 1/8, 1 1/4, 1 1/2, 1 3/8, 1 7/8, 1 11/16, 1 3/4, 1 11/8, 1 5/8, 2 inch. Walls take heavy strain. 3/4-inch drive sockets hot forged for extra strength needed for heavier jobs. Sockets hold fast to handle under stress. Handy box included. See socket set features on Page 1069. Available.

84 A 4886 MB—Ship. wt. 25 lbs. \$5 Mo. Cash **\$35.00**



20-Pc. Set
\$39⁹⁵

ONLY \$4.00 DOWN
ON TERMS

Drive Socket Set

POW-KRAFT 17-Pc. Set includes 12-pt. sockets: $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$ in.; 6-pt. 7-in. reversible ratchet; 17-in. handle; flex handle, crossbar; joint; 3, 10-in. extensions. Handy metal carrying case for storage. All parts are fully chrome-plated. See opposite page for details.

84 A 4801—Wt. 5 lbs. 8 oz. \$16.47



1/4-in. Drive Socket Set

8 Economical 12-Pc. Set is perfect for small jobs. For homeowners, hobbyists, etc. For small, close quarter work. Chrome-plated alloy steel. Includes: Flex-head handle and crossbar; Six 6-pt. sockets: $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ in. Three 8-pt. sockets: $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ in. With handy high impact plastic box. Mail.

84 A 4808—Ship. wt. 1 lb. \$4.19



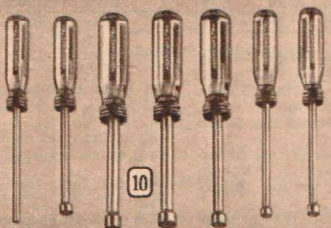
POW-KRAFT Nut Drivers

12-Pc. Nut Driver Set. Sizes: $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ in. Excellent for hard-to-reach nuts. Shockproof handles, steel shanks, case.

84 A 4852—Ship. wt. 2 lbs. \$5.48

Individual Nut Drivers. Sizes: $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ in. Wt. 6 oz. ea.

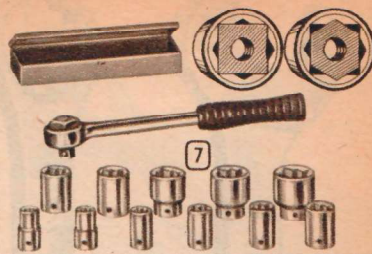
84 A 4855—State size Each 89c



Dual-Purpose Socket Set

7 POW-KRAFT 13-Pc. 1/2-in. Drive Set. 2-in. 1-sockets fit square and hex nuts of same size. The best in practical tools... no longer necessary to buy separate sockets for square or hex nuts. Includes: 10 1/2-in. reversible ratchet, eleven 10-pt. sockets: $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in. metal carrying case.

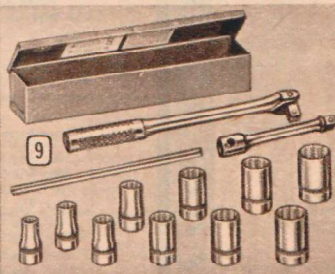
84 A 4801—Wt. 7 lbs. Mail... \$15.95



1/2-in. Drive Socket Set

9 14-Pc. Basic POW-KRAFT Set. With wide range of most useful sizes. Includes 5 1/2-in. extension 1 1/2-in. flex handle, crossbar; ten 12-pt. sockets: $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ in. Tool box is 12 1/2 x 3 3/4 x 2 1/8 inches. Ideal for homeowners, hobbyists, etc. Made of tough, chrome-plated alloy steel, highly polished... rust resistant.

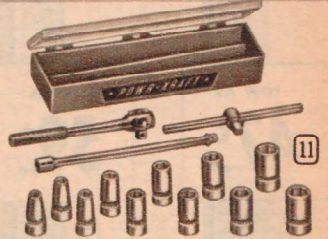
84 A 4872—Ship. wt. 5 lbs. \$8.94



1/4-in. Drive Socket Set

11 POW-KRAFT 15-Pc. Set. Designed for close quarter work. Includes reversible ratchet, 6-in. extension, sliding "T" handle. Eight 6-pt. sockets: $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ in.; 8-pt. sockets: $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ in. Sturdy case. Fully guaranteed, see Page 1070, Mailable.

84 A 4805—Ship. wt. 2 lbs. \$8.44



Socket Key Sets

12 Socket Key Set. 3 1/4 in. long. 7 keys fit Allen Type No. 3 to 3/8-in. setscrews. No. 1 to 1/4-in. cap screws. Folds closed like knife.

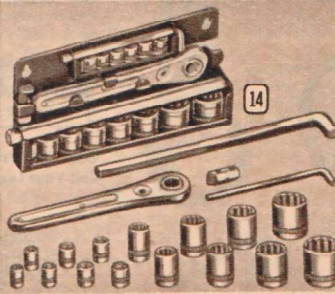
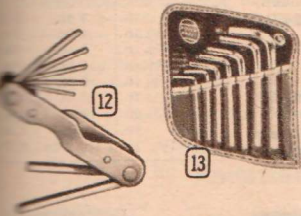
84 A 2903—Ship. wt. 4 oz. Set 99c

13 Allen Head Type Socket Key Sets. Hardened tool steel, plastic case. REGULAR LENGTH. Sizes .05 to 1/4 in.

84 A 2904—Wt. 3 oz. Set of 9 49c

EXTRA-LONG SET. Sizes 5/64 to 1/4 in.

84 A 2905—Wt. 3 oz. Set of 7 69c



1/4 and 1/2-in. Hex Drive Set

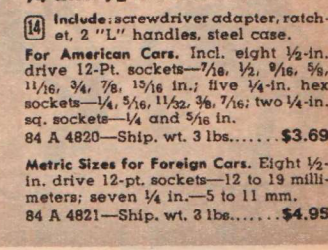
14 Include screwdriver adapter, ratchet, 2 "L" handles, steel case.

For American Cars. Incl. eight 1/2-in. drive 12-Pt. sockets—7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16 in.; five 1/4-in. hex sockets—1/4, 5/16, 11/32, 3/8, 7/16; two 1/4-in. sq. sockets—1/4 and 5/16 in.

84 A 4820—Ship. wt. 3 lbs. \$3.69

Metric Sizes for Foreign Cars. Eight 1/2-in. drive 12-pt. sockets—12 to 19 millimeters; seven 1/4 in.—5 to 11 mm.

84 A 4821—Ship. wt. 3 lbs. \$4.95



Dollar Saver

SAVE 10% MORE

on orders of \$15 or more on items (15) to (32). Just subtract 10% from prices shown here.

POW-KRAFT Top Quality Socket Set Accessories

15 Spark Plug Remover Socket. Rubber grommet in upper socket housing grabs top of plug and pulls it out after loosening. Plugs cannot fall. 1 1/8-in. socket—1/2 in. drive.

84 A 4785D—Wt. 8 oz. \$1.15

16 POW-KRAFT 6-Pc. Deep Wall Socket Set. 1/2-in. drive. All sockets are 3 1/8 in. deep. 12-pt. Socket sizes: 3/8, 1/2, 5/8, 3/4, 7/8, 1 in. Steel case.

84 A 4790D—Wt. 2 1/2 lbs. Set \$5.49

17 12-Point Deep Well Sockets. 1/2-in. drive sockets about 3 1/8 in. deep. 3/8-in. drive sockets about 2 1/4 in. deep. State Cat. No., Size.

84 A 4789D—1/2-in. Drive. Av. wt. 8 oz.					
1/2 in.	86c	11/16 in.	86c	7/8 in.	\$1.06
9/16 in.	86c	3/4 in.	86c	15/16 in.	1.16
5/8 in.	86c	13/16 in.	\$1.06	1 in.	1.26
84 A 4848D—3/8-in. Drive. Av. wt. 5 oz.					
7/16 in.	67c	3/8 in.	78c	3/4 in.	78c
1/2 in.	67c	11/16 in.	78c	13/16 in.	87c
9/16 in.	67c				

20 Stud Remover. Use with any 1/2-in. drive handle. 1/4 to 3/4-in. capacity.

84 A 4869 D—Ship. wt. 1 lb. 4 oz. \$3.65

21 Flex Sockets. For awkward nut removal. 3/8-in. drive. Sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 in. Ship. wt. 3 oz.

84 A 4898 D—State size Each \$1.56

22 Drag Link Socket. To tighten slotted nuts. 1/2-in. sq. drive. Ship. wt. 4 oz.

84 A 4864 D—3/4 in. wide at tip 75c

23 Universal Joints. Short coupled. Adjust to 180°. Ship. wts. 2 and 4 oz.

84 A 4846 D—3/8 in. drive \$1.58

84 A 4863 D—1/2 in. drive 1.67

24 POW-KRAFT Socket Adapters. Attach to drive tap of ratchet, speeder handle, "T" or flex handle to use sockets of a different size drive. Ship. wt. 2 oz.

84 A 4837 D—State size, Increase 3/8 to 1/2 in. drive Each 68c

Decreases 3/8 to 1/4 inch 68c

25 Extension Bars. Ball locking feature—Holds sockets tight. Use with socket, handle for hard-to-reach places.

Drive	Lgth.	Cat. No.	Wt.	Each
1/4 in.	6 in.	84 A 4772D	3 oz.	68c
3/8 in.	5 7/8 in.	84 A 4844D	4 oz.	92c
1/2 in.	9 in.	84 A 4845D	8 oz.	\$1.13
3/4 in.	5 in.	84 A 4861D	8 oz.	96c
1/2 in.	10 in.	84 A 4862D	12 oz.	\$1.16
3/4 in.	3 1/2 in.	84 A 4881D	9 oz.	2.25
1/2 in.	8 in.	84 A 4878D	1 1/4 lbs.	1.79
3/4 in.	16 in.	84 A 4879D	2 1/4 lbs.	2.32

26 Reversible Ratchets. Double pawl, multi-tooth action. Lengths: 5, 7 1/2, 10 1/2, 21 inches. Ship. wts. 6, 10 oz., 1 and 5 lbs.

84 A 4758D—1/4-in. sq. drive \$2.75

84 A 4843D—3/8 in. sq. drive \$3.89

84 A 4860D—1/2 in. sq. drive \$4.92

84 A 4877D—3/4 in. sq. drive \$10.85

27 Spinner Handle. Fits 1/4-in. sq. drive sockets. Alloy shank.

84 A 4760D—Ship. wt. 4 oz. \$1.35

28 Sliding "T" Handles. Wt. 12 oz.

84 A 4842D—3/8 in. drive \$1.25

84 A 4859D—1/2 in. drive 1.36

29 30 Flex Handle (29) With Cross-bar (30). 5, 15, 8 1/4, and 21 in. long. Wts. 3 oz., 12 oz., 2 1/4 lbs. 2 3/4 lbs. State size.

84 A 4751D—1/4-in. sq. dr. \$1.35

84 A 4858D—1/2 in. sq. dr. 2.95

84 A 4841 D—3/8 in. sq. dr. 2.35

84 A 4875 D—3/4 in. sq. dr. 5.48

31 Speeder Handles. 18-in. Revolve to speed work. Ship. wts. 1 lb., 1 lb. 8 oz.

84 A 4840D—3/8 in. sq. drive \$1.58

84 A 4857D—1/2 in. sq. drive 2.09

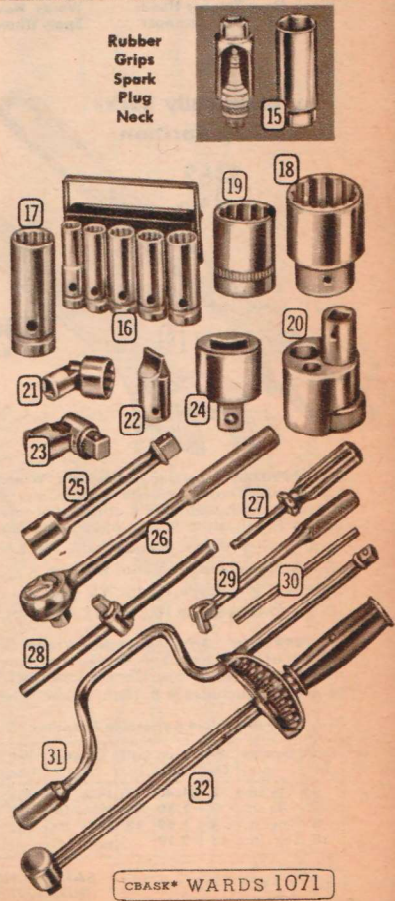
32 Torque Wrenches. All steel chrome-plated. 20 in. long. Ship. wts. 2 lbs. 10 oz., 3 lbs.

Capacity 0-105 ft. lbs. 1/2-in. drive. For auto, marine, etc.

84 A 4896 D—Only \$8.43

Capacity 0-150 ft. lbs. 1/2-in. drive. For trucks, heavy jobs.

84 A 4897 D—Only \$10.39



POW-KRAFT Alloy Steel Sockets. Chrome-plated. State Cat. No. and Size.

1/4-in. Square.			(19) 1/2-in. Square		
Lbs.	Oz.	12-Pt. 84 A 4880D	Size, In.	Wt. Oz.	12-Pt. 84 A 4880D
5	92c	3/8	1	48c	42c
5	95c	7/16	1	48c	42c
6	95c	1/2	2	51c	45c
6	95c	9/16	2	55c	45c
6	\$1.05	5/8	2	55c	45c
6	1.05	11/16	2	58c	48c
7	1.16	3/4	2	68c	55c
7	1.26	7/8	3	55c	55c
9	1.26	15/16	3	58c	58c
11	1.49	1	3	62c	62c
11	1.49	1 1/16	4	68c	68c
12	1.69	1 1/8	4	68c	68c
0	1.69	1 1/4	5	78c	78c
1	2.04	1 1/2	5	83c	83c
1	2.16	1 3/4	7	93c	93c
1	10	2			
1	10	2.44			
1	14	2.66			
2	0	3.36			
2	2	3.66			
2	4	3.96			
2	3	4.44			

All POW-KRAFT parts will fit other brands of the same square drive size.

Sq. Drive Sockets. Choice of 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 7/16 in. 6-pt. openings.

84 A 4762 D—State size. Wt. ea. 1 oz. Each 27c

Sq. Drive Sockets. 12-pt. State size. Wt. 4 oz.

84 A 4847D—7/16, 1/2, 9/16, 5/8, 11/16, 3/4 in. Ea. 39c

84 A 4848D—3/8, 1/2, 5/8, 3/4 in. Ea. 49c

Sq. Drive Sockets. 6-pt. Choice of 3/8, 7/16, 1/2, 5/8, 3/4 in. State size.

84 A 4838 D—Ship. wt. each 4 oz. Each 39c

Buy **POWR-KRAFT** — The Stronger Wrenches with the Stronger Guarantee

* GUARANTEE

Wards will replace free of charge any Wrench through (12) that breaks for any reason under normal use.

• **STRONG.** Alloy Steel. Exceeds government specifications.

• **NEW.** Straight shank design is stronger—gives more leverage.

• **VERSATILE.** Get into tight places other wrenches can't.

1 POWR-KRAFT Open-End Wrenches. Same size openings on each end. 12-pt. openings on box end. Sets come in handy pouch. Guaranteed.*

Individual Open-End Wrenches. 84A4953—Order below. State size.

Openings	Ship. wt. Each	
1/4-5/16 in.	2 oz.	47c
3/8-7/16 in.	2 oz.	58c
7/16-1/2 in.	2 oz.	68c
1/2-9/16 in.	3 oz.	68c
9/16-5/8 in.	4 oz.	78c
5/8-11/16 in.	4 oz.	78c
11/16-3/4 in.	5 oz.	89c
3/4-13/16 in.	8 oz.	\$1.39
13/16-1 in.	12 oz.	1.39
1 1/16-1 1/8 in.	1 lb.	1.94

3 POWR-KRAFT Combination Wrenches. Same size openings on each end. 12-pt. openings on box end. Sets come in handy pouch. Guaranteed.*

Indiv. Combination Wrenches. 84 A 4939—State size wanted.

Openings	Ship. wt. Each	
3/8 in.	5 oz.	59c
7/16 in.	2 oz.	66c
1/2 in.	3 oz.	74c
9/16 in.	4 oz.	82c
5/8 in.	5 oz.	87c
11/16 in.	6 oz.	92c
3/4 in.	6 oz.	\$1.08
13/16 in.	10 oz.	1.19
1 1/16 in.	10 oz.	1.34
1 in.	11 oz.	1.49
	12 oz.	1.65

5 POWR-KRAFT Box-End Wrenches. Tapered, processed heads won't round. Sets have pouch. Guaranteed.*

84 A 4947—Individual Wrenches. State size. Wt. each 2 oz.

Openings	Length	
1/4-5/16 in.	4 1/4 in.	
3/8-7/16 in.	4 1/2 in.	
1/2-9/16 in.	5 1/2 in.	
5/8-3/4 in.	6 in.	

3-Pc. Short Box End Wrench Set. 3/8x7/16, 1/2x9/16 and 5/8x11/16. 84 A 4948—Wt. 8 oz.

3-Pc. Long Box End Wrench Set. 3/8x7/16, 1/2x9/16, 5/8x11/16. 84 A 4940—Wt. 2 lbs.

6-Pc. Set. 3/8x7/16, 1/2x9/16, 5/8x11/16, 11/16x3/4, 13/16x7/8, 15/16x1 in. 84 A 4941—Wt. 3 lbs.

8-Pc. Box-End Set. 3/8, 11/16x3/4, 13/16x7/8, 15/16x1 in. 84 A 4943—Wt. 3 1/2 lbs.

84 A 4944—Individual Long Box End Wrenches. State size.

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4937—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

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6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

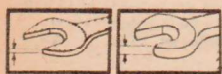
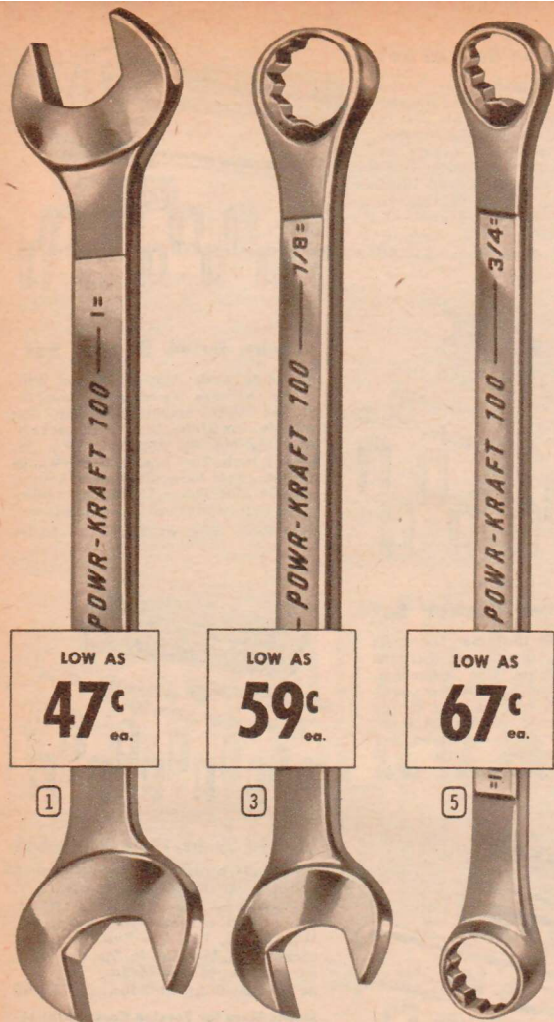
14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95

5-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8 in. Wt. 1 lb. 8 oz. 84 A 4935—With pouch. \$3.98

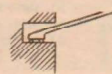
6-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 in. sizes with pouch. 84 A 4936—Wt. 2 lbs. 8 oz. \$4.91

10-Pc. Set. Includes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16. With pouch. 84 A 4938—Wt. 3 1/2 lbs. \$9.55

14-Pc. Combination Wrench Set. 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 in. Includes pouch. 84 A 4934—Wt. 8 lbs. \$17.95



WARDS OTHERS
WARDS Have Thinner Heads Yet are 25% Stronger



WARDS OTHERS
WARDS Have Tapered Heads, Get into Tight Spots Where "S"-shaped Wrenches Can't Reach



Just Say Charge It!
SEE PAGE 1281

COMPLETE YOUR SHOPPING IN MINUTES . . . BY PHONE. Simply Call Your Local Ward Catalog or Retail Store and Place Your Order.

Automatically Locks in Any Position

\$162
6-in.



7 POWR-KRAFT Locking Adjustable Wrench. Use only one hand; wrench locks in any position. Precision-mesh teeth of the adjustment screw hold firmly. Tough, drop forged alloy steel. State size. 84 A 4713—6-In. Jaw opens 15/16 in. Wt. 9 oz. \$1.62
8-INCH Jaw opens to 15/16 in. Wt. 9 oz. \$1.85
10-INCH Jaw opens to 1 1/8 in. Wt. 12 oz. \$2.35
12-INCH Jaw opens to 1 5/8 in. Wt. 1 lb. 6 oz. . . . \$3.44

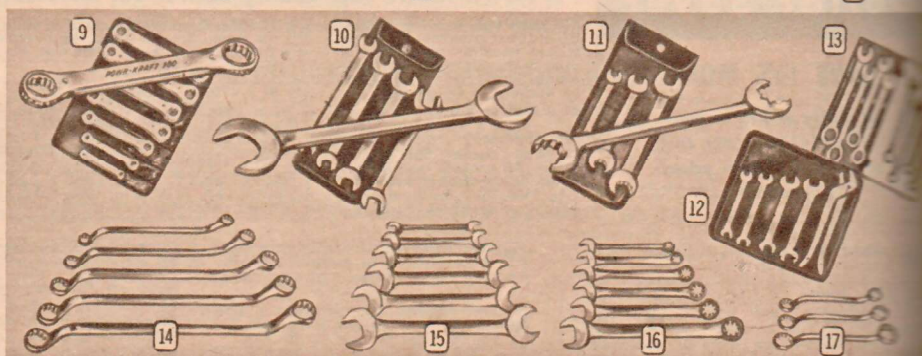
8 POWR-KRAFT 3-Pc. Adjustable Wrench Set. Special analysis tool steel—forged, hardened, tempered. Balanced design. Chrome finish. Wt. 1 1/2 lbs. 84 A 4702—Includes 6, 8, 10-in. below. Set \$4.98

84 A 4701—Individual Adjustable Wrenches. State size.

Lgh. In.	Opens to	Wt. Oz.	Price Each	Lgh. In.	Opens to	Wt. Lbs.	Price Each
4	1/2 in.	2	\$1.40	12	15/16 in.	1 1/2	\$3.35
6	3/4 in.	4	1.50	15	1 1/16 in.	3 1/2	5.98
8	15/16 in.	9	1.69	18	2 1/16 in.	5 3/4	10.95
10	1 1/8 in.	13	2.19				

1072 WARDS CBAK

SATISFACTION GUARANTEED



9 Ratchet Box End Wrenches. Sizes to 9/16 in. are 6 pt., others 12 pt. 84 A 4739—7-pc. set. Sizes below plus 2 others. Wt. 3 lbs. 12 oz. \$9.95
84 A 4737—5-pc. set. All sizes in table below. Wt. 2 lbs. \$7.18

84 A 4738—Individual Ratchet Wrenches. State Size.							
Size	Wt.	Each	Size	Wt.	Each	Size	Wt.
1/4-5/16 in.	2 oz.	\$1.18	1/2-9/16 in.	6 oz.	\$1.43	3/4-7/8 in.	12 oz.
3/8-7/16 in.	3 oz.	1.33	5/8-11/16 in.	10 oz.	1.61		

10 POWR-KRAFT 4-Pc. Tappet Wrench Set. Sizes: 7/16 to 1/2, 1/2 to 9/16, 9/16 to 5/8, 5/8 to 11/16 in. For automobile use. Plastic pouch included. 84 A 4749—Set of 4. Ship. wt. 1 lb. Guaranteed.* \$3.25
84 A 4748—Tappet Wrenches. State size. Wt. 4 oz. 7/16 to 1/2, Each \$73c
1/2 to 9/16, Ea. 75c; 9/16 to 5/8, Ea. 85c; 5/8 to 11/16, Ea. 85c; 3/4 to 7/8, Ea. 95c

11 Wards Finest 3-Pc. Flare Nut Set. Sizes: 3/8 to 7/16, 1/2 to 9/16, 9/16 to 5/8 in. 84 A 4721—Ship. wt. 15 oz. Plastic case included. Set \$3.22
84 A 4717—Individual Flare Nut Wrenches. State size. 3/8x7/16 in., Wt. 1 oz. 95c; 1/2x9/16 in., Wt. 2 oz. \$1.05; 5/8x3/4 in., Wt. 5 oz. \$1.38

Wards Finest 5-Pc. Open End Ignition Set. Perfect for auto. 4 1/2-in. ignition pliers, 4 wrenches: 7/32 to 13/64, 1/4 to 15/64, 9/32 to 11/32, 5/16 to 3/8 in. 84 A 4709—Plastic pouch included. Ship. wt. 4 oz. \$2.25

8-Pc. Combination Ignition Set. Sizes 13/64 to 7/32, 7/32 to 15/64, 15/64 to 1/4, 1/4 to 9/32, 9/32 to 5/16, 5/16 to 11/32, 11/32 to 3/8, 3/8 to 7/16 in. Made of fine grain steel. 84 A 4710—Box ends 6 and 12 pt. Ship. wt. 5 oz. Plastic case Set 98c

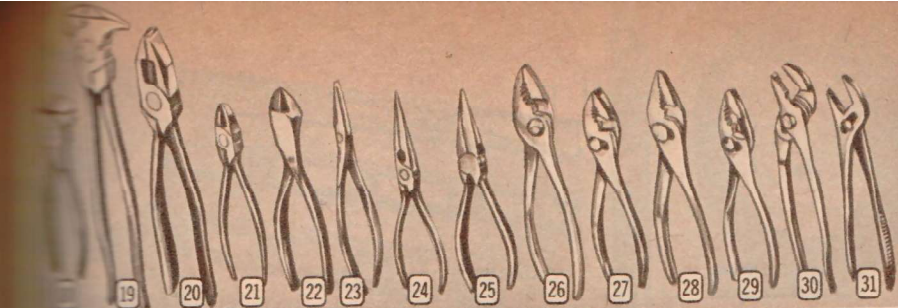
14 POWR-KRAFT 5-Piece Long Box-End Wrench Set. Better quality. Made of chrome plated forged steel. Sizes: 3/8 to 7/16, 1/2 to 9/16, 9/16 to 5/8, 5/8 to 11/16, 11/16 to 3/4 to 25/32, 13/16 to 1 in. Ship. wt. 2 lbs. 12 oz. 84 A 4718—With metal clip. Set \$1.95

15 POWR-KRAFT 6-Piece Open-End Set. 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 11/16-3/4, 3/4-13/16. With metal clip. 84 A 4726—Ship. wt. 2 lbs. Set \$1.95

16 POWR-KRAFT 6-Piece Combination Set. End and open-end wrench set. Box ends tight nut, open end quickly turn. Point (12-groove) box ends 15° off set. 3/8, 7/16, 1/2, 9/16, 5/8, and 3/4 in. 84 A 4729—Metal clip. Wt. 1 lb. Set \$1.95

17 POWR-KRAFT 3-Piece Short Box-End Wrench Set. Better quality. Sizes: 3/8 to 7/16, 1/2 to 9/16, 9/16 to 5/8 in. 12-point openings. 84 A 4714—Ship. wt. 9 oz. Set \$1.95

Good Quality 5-Piece Open-End Wrench Set. Sizes: 3/8-11/32, 1/2-7/16, 9/16-5/8, 5/8-11/16, 11/16-3/4 in. Comes with metal clip. 84 A 4747—Ship. wt. 15 oz. Set \$1.95



Save on POWR-KRAFT Finest Quality Alloy Steel Pliers

Forged from highest quality alloy steel, heat-treated and tempered for hardness, strength and long life. Pliers are specially hardened and hand honed. Smooth operating, open and close freely.

Carpenter's Pincers. Hand-honed cutters. Ship. wts. 7 oz., 14 oz., 1 lb.
State length: 6 in. long. \$2.38
8 in. long. \$2.95; 10 in. long. \$3.35

Fencing Pliers. 2 wire cutters; staple lifter, wire stretcher, splicer.
10 in. long. Wt. 1 lb. 12 oz. \$2.29

Linemen's Pliers. Hardened, honed cutters. Ship. wts. 7 oz., 15 oz.
State size: 6 in. \$2.69; 8 in. \$3.39

Diagonal Cutting Pliers. Hand honed. Ship. wts. 4, 6 oz. State size.
4 in. \$2.09; 7 in. \$2.35

Heavy-Duty Diagonal Cutting Pliers. Cutting edges. High leverage.
Length 7 in. Ship. wt. 10 oz. \$2.44

Duck Bill Wiring Pliers. No slip, ridged surface. 8 in. long overall.
Ship. wt. 7 oz. \$2.25

Long-Nose Pliers. Honed side cutters. Steel. Black finish. Polished head.
About 6 in. long. Wt. 6 oz. \$2.34

Long-Nose Pliers. Ship. wt. 6 oz.
4 in. \$1.95; 6 in. \$2.25

3-Pc. PLIER KIT. Includes Pliers (20) 6 in., (30), 10 in. and (24) above. Ship. wt. 2 lbs. Kit \$6.75

POWR-KRAFT Heavy-Duty Combination Pliers. Wire cutter. Knurled handles. Tough gripping jaws.
84 A 4652—6 in. length. Ship. wt. 7 oz. \$1.17
8 in. Wt. 10 oz. \$1.79; 10 in. Wt. 15 oz. 1.98

POWR-KRAFT Combination Pliers. Handy wire cutter.
84 A 4651—6 in. long. Ship. wt. 10 oz. \$0.86

POWR-KRAFT Thin Nose Pliers. Perfectly balanced.
84 A 4655—6 in. long. Ship. wt. 10 oz. \$0.92

Low Priced Economy Pliers. Nickel finish. 6 in. long.
84 A 4650—Ship. wt. 7 oz. \$0.43

POWR-KRAFT Rib Groove Pliers. Jaws can't slip—lock in 5 positions; 4 positions on 5-in. size.
84 A 4661—State Length Wanted.

14 in. Long. Capacity 2 1/2 in. Ship. wt. 1 lb. \$3.29
10 in. Long. Capacity 1 1/2 in. Ship. wt. 11 oz. 2.21
6 1/2 in. Long. Capacity 1 in. Ship. wt. 5 oz. 1.64
5 in. Long. Capacity 1/2 in. Ship. wt. 4 oz. 1.49

POWR-KRAFT Plier-Wrenches. Super-gripping. Milled teeth, multi-step jaws keep parallel—can't slip. Chrome plated. Ship. wts. 12 oz., 9 oz., 6 oz. and 2 oz.

Type	Lgth.	Jaw Size	Cat. No.	Each
Water Pump	10 in.	2 1/2 in. 7-step	84 A 4687	\$1.84
Utility	8 in.	1 1/2 in. 4-step	84 A 4686	1.60
Battery	6 3/4 in.	1 in. 3-step	84 A 4685	1.28
Ignition	4 1/2 in.	3/8 in. 3-step	84 A 4684	88c

LOW AS
\$1.63

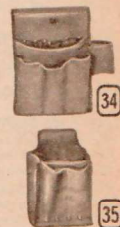
7-in-1 Locking Pliers

- Just close . . . releases instantly
- Locks quickly . . . positively won't slip
- Vise-like grip to remove rusted nuts

32 33 7 Tools in One. Use as an adjustable wrench, pipe wrench, locking wrench, clamp, gripping tool and portable vise. Do all jobs easier, quicker with new release handle—releases with one hand. Slight pressure releases tension safely—no skinned knuckles. Steel jaws, precision-milled teeth won't slip.
84 A 4706—State size. Ship. wt. 1 lb. 12 oz.
(32) 10 IN. LONG. 1 3/8 in. capacity. \$1.85
(33) 7 IN. LONG. 1 1/8 in. capacity. 1.63

34 Electricians' Belt-Type Tool Holder. 5 large, roomy pockets keep the tools you want within easy reach. Made of finest, top grain, 6 to 8-oz. saddle leather; saddle stitching, brass rivets. Our best tool holder. Light tan. Size 8x10 in.
84 A 4173—Ship. wt. 6 oz. Only \$5.45

35 Repairman's Belt-Type Tool Holder. Buckskin-colored, 8 to 10-oz. top grain leather with saddle stitching brass rivets. Size 6x8 in.
84 A 4172—Ship. wt. 12 oz. \$3.49

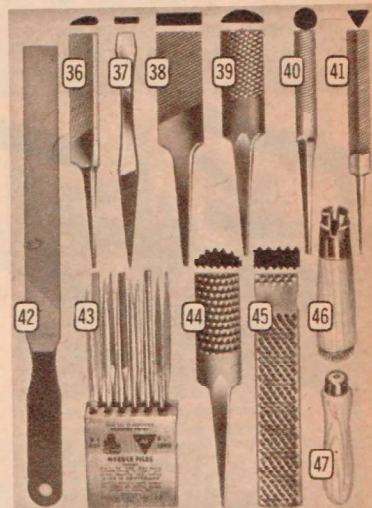


36 TO 41 American Made Files . . . Best Quality, Yet Low Prices

Type of File	Size	Cat. No.	Wt. Ea.	Each	6 for
Cross-Cut Saw Files	8 in.	84 A 4414	14 oz.	77c	\$4.00
	10 in.		1 lb.	83c	4.68
Auger Bit	7 in.	84 A 4422	2 oz.	59c	
Single-Cut Mill	6 in.		4 oz.	38c	2.08
	8 in.	84 A 4400	8 oz.	47c	2.59
Standard File	10 in.		8 oz.	64c	3.49
Sq. Edge	12 in.		12 oz.	98c	
Mill, with 2 Round Edges	8 in.		4 oz.	61c	3.41
	10 in.	84 A 4406	6 oz.	90c	5.19
Double-Cut Flat Mill File	8 in.		7 oz.	56c	3.10
	10 in.	84 A 4402	10 oz.	73c	4.12
	12 in.		1 lb.	98c	
Half-Round Standard File	8 in.		4 oz.	73c	3.89
	10 in.	84 A 4404	8 oz.	89c	4.79
	12 in.		1 lb.	\$1.19	6.79
Round Standard Files (For Round Openings)	4x1 1/2		2 oz.	37c	2.09
	6x3/32	84 A 4419	2 oz.	39c	2.19
	8x9/32		4 oz.	45c	2.31
	10x3/8		8 oz.	56c	2.91
	12x1/2		1 1/2 lb.	99c	
8-in. Chain-Saw Files	3 1/8 in.		4 oz.	69c	4.00
	7/32 in.		4 oz.	69c	4.00
	1/4 in.	84 A 4420	4 oz.	69c	4.00
	9/32 in.		4 oz.	85c	4.69
	5/16 in.		4 oz.	85c	4.69
	3/8 in.		4 oz.	92c	5.19

No.	Type	Size	Cat. No.	Wt. Ea.	Each	6 for
(41)	Standard Taper Files	6 in.	84 A 4411	6 oz.	45c	2.45
		8 in.		12 oz.	70c	3.79
	Slim Taper Files	5 in.		2 oz.	29c	1.55
		6 in.	84 A 4407	3 oz.	34c	1.89
		7 in.		5 oz.	38c	2.06
	Extra Slim Taper Files	5 in.		2 oz.	28c	1.45
		6 in.	84 A 4409	3 oz.	34c	1.88
		7 in.		5 oz.	45c	2.45
	Can Saw Blunt Files	6 in.	84 A 4416	3 oz.	70c	3.98
		8 in.		5 oz.	74c	4.00

42 84 A 4405—Gardeners' File. 10 in. Ship. wt. 3 oz. 72c
43 12-Pc. Needle Point File Set. 5 1/2 in. long. 84 A 4437—Ship. wt. 4 oz. Set \$3.25
44 Wood Rasps. State size. Ship. wts. 8 oz.; 14 oz. 84 A 4429—10 in. Ea. \$1.24; 12 in. Each \$1.47
45 Horse Rasps. State length. Ship. wt. 1 lb. 84 A 4425—12 in. Ea. \$1.32; 14 in. Each \$1.84
84 A 4432—1/2-Round Shoe Rasp. 8 in. 4 oz. Each 84c
46 File or Tool Handle. Holds tang tools to 1/4 in. 84 A 4442—Wt. 5 oz. Each 71c; 3 for \$1.92
47 File Handles. Package of 6, Wt. 5 oz. 44c
84 A 4439—5 to 8-in. files. 84 A 4440—8 to 10-in. files
84 A 4441—12 to 14-in. files.



48 TO 58 POWR-KRAFT Screwdrivers . . . Your Best Buy!

Description	Blade	Wt.	Cat. No.	Price	Description	Blade	Wt.	Cat. No.	Price
(48) Powr-Kraft Mechanics' Square Shank	4 in.	6 oz.	84 A 4904	88c	(52) Powr-Kraft Electricians'	3 in.	4 oz.	84 A 4903	61c
	6 in.	9 oz.		96c		6 in.	5 oz.		82c
	8 in.	12 oz.		\$1.10	(53) Powr-Kraft Phillips Head	#2—1 1/4 in.	4 oz.		56c
(49) Mechanics' Round Shank	4 in.	6 oz.	84 A 4905	82c		#1—3 in.	4 oz.	84 A 4907	56c
	6 in.	8 oz.		92c		#2—4 in.	5 oz.		85c
(50) Powr-Kraft Stubby	1 1/4 in.	4 oz.	84 A 4901	56c		#3—6 in.	8 oz.		96c
(51) Offset	5 in.	3 oz.	84 A 4626	40c	(54) Powr-Kraft Screw Holding	3 in.	3 oz.	84 A 4908	58c
						6 in.	5 oz.		92c
					(55) Circuit Testing	4 1/2 in.	6 oz.	84 A 4629	\$1.45

Unbreakable, Sure-Grip Plastic Handle

Strong Alloy Steel Blade—Square or Round

Chromed Steel Shank

Precision Ground Blade Head

56 Automatic Screwdriver. Wt. 8 oz. 84 A 4632—1/4-in. bit, 9/32 in. \$2.65
Bits. Fit (56) above. State size.
84 A 4607—5/32, 1/4 in. Wt. 1 oz. 31c

Phillips Bits. Fit (56). State size 1 or 2.
84 A 4623—Wt. 1 oz. Each 50c

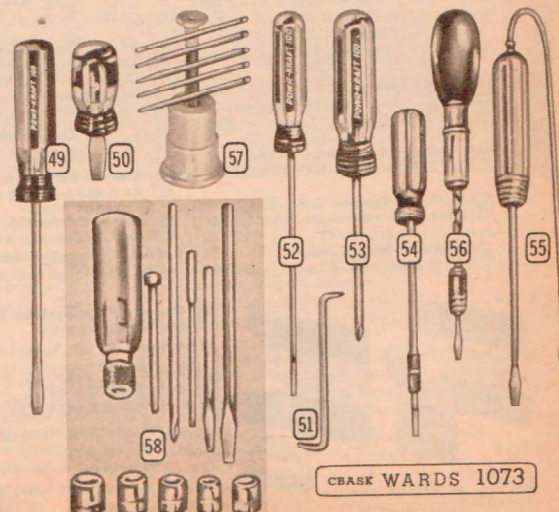
57 6-Pc. Jewelers' Screwdriver Set. 5 blades, handle.
84 A 4646—Ship. wt. 2 oz. \$1.19

58 11-Pc. Screwdriver and Socket Set. 1/2, 11/32, 5/16, 3/8, 7/16-in. sockets, 4 blades, extension, handle.
84 A 4617—Ship. Wt. 9 oz. \$1.25

POWR-KRAFT 5-Pc. Screwdriver Set. Includes 1 1/4-in. stubby, 2-in. pocket, 4-in. Phillips, 4, 6-in. square mechanics.
84 A 4910—Wt. 1 lb. 6 oz. \$3.39

POWR-KRAFT Phillips Set—all in (53) above. 4 screwdrivers.
84 A 4912—Wt. 1 1/2 lbs. \$2.69
"Yankee" 17-in. Screwdriver. Automatic return—3 positions. With 7/32, 1/4, 9/32-in. bits. Postpaid 84 AP 4644—Chromed. \$7.95

Bits. Fit Yankee above. 7/32, 1/4, 9/32-in. State size.
84 A 4608—Wt. 3 oz. Each 45c



1 Baked white enamel $\frac{3}{8}$ -in. wide blades. $\frac{1}{8}$ -in. graduations, 16-in. center stud markings. Replaceable blades have positive hook handle for easy operation; double coated against rust. Jet black markings against white background for easy reading. Steel case bound with blue vinyl. With tensional release. Chrome-plated. State length.

Baked White Enamel Tape. Wts. 1 lb., 1 $\frac{1}{2}$ lbs.
84 A 4062—50 Ft. \$4.15 100 Ft. \$5.69
Nickel Plated Tape. Ship. wts. 1 lb., 1 lb. 8 oz.
84 A 4060—50 Ft. \$4.15 100 Ft. \$5.69

OUR FINEST

2 POWR-KRAFT Powr-Matic 50-Ft. Tape. Positive stop action, no creeping. Hook ring needs no adjustment, stays accurate. Slight pressure on button brings tape smoothly into case... eliminates hand rewinding. Nylon rewind mechanism requires no lubrication. Case lining is vinyl-coated rustproof steel. Easy-to-read black markings on white tape. Precision graduated in feet and inches to $\frac{1}{8}$ in. Wt. 1 lb. 13 oz.

84 A 4049—50 Ft. \$5.29

3 POWR-KRAFT Push-Pull Rule. Self-totalling. Graduated to 32nds for first 6 inches. Easy-to-read jet black marking on white face. Replaceable flex-rigid tapes, self adjusting end hooks. Easy one-man use. Carry a Powr-Kraft Tape in your pocket. Die cast case, $\frac{1}{2}$ -in. wide tape. Ship. wts. 5 oz., 6 oz., 6 oz. State length wanted.

84 A 4086—6 Ft. .79c
8 Ft. .98c 10 Ft. \$1.21

4 New POWR-KRAFT "Mylar" Long-Life Push-Pull Rule. Self-totalling. Yellow blade for maximum visibility. $\frac{3}{4}$ -in. wide tape. Graduated in 16ths, 32nds, for first 6 in. Ship. wts. 7 oz., 9 oz. State length wanted.

84 A 4094—10 Ft. \$1.92
12 Ft. 2.26

5 POWR-KRAFT Power Rules. Lock automatically... blade can't creep. Easily pull rule to desired length, tape locks securely. Tempered steel blade has easy-to-read black on white markings. Nylon mechanism ends noise, never requires lubrication. Die cast case. Chrome finish.

State Rule Length	$\frac{1}{2}$ -in. Blade 84 A 4097		$\frac{3}{4}$ -in. Blade 84 A 4098	
	Wt.	Price	Wt.	Price
8 ft.	8 oz.	\$1.21	10 oz.	\$1.98
10 ft.	9 oz.	1.43	11 oz.	2.25
12 ft.	10 oz.	1.69	12 oz.	2.64

JUST SAY **Charge It** SEE PAGE 1281

Precision-Made Levels, Checked For Accuracy

6 48-In. Genuine Honduras Mahogany. Tough, warp-resistant straight stock; milled for accuracy. Corners, edges are brass-bound to prevent warping, nicking. Pyrex vials, heavy glass lenses. 6 glasses—4 plumb, 2 level. Ideal for home or handyman. 84 A 3878 M—Ship. wt. 4 lbs. \$13.50

7 POWR-KRAFT Extruded Aluminum Levels. Lightweight alloy. Ideal for craftsman. 6 glasses; 4 plumb, 2 level. Wts. 1 lb. 3 oz., 3 lbs. State size.

84 A 3875 M—24 in. \$6.50; 48 in. \$10.25

78-in. Size. Same quality as above except 10 glasses; 4 level, 6 plumb. Wt. 4 lbs. 8 oz.

84 A 3875 MO—Mailable. \$18.50

8 24-In. Economy Cast Aluminum Level. Ideal for handyman. Vials plastic covered for more protection. 3 vials—2 plumb, 1 level.

84 A 3898 M—Mail. Wt. 1 lb. \$2.44

9 24-In. Economy Wood Level. Ideal level for handyman around the house. Three glasses—1 plumb, 1 level, 1 45°. Ship. wt. 1 lb.

84 A 3852 M—Mail. \$1.75

All Ward Levels are rigidly inspected before shipment, and accurately checked on Browne and Sharpe instruments for extreme precision—to give you the best. SATISFACTION GUARANTEED

10 POWR-KRAFT Cast Aluminum Levels. 6 glasses, 2 level, 4 plumb. Precision milled. Ship. wts. 2 $\frac{3}{4}$ lbs. Mail.

84 A 3870 M—24 in. \$10.25

84 A 3870 M—28 in. \$13.50

Economy 24-inch Level.

(10). With only 4 glasses.

84 A 3853 M—Wt. 2 lbs.

24-in. POWR-KRAFT Cast Aluminum Adjustable Level.

(shown). 6 glasses—2 level, 4 plumb. Adjust to 45° angles, braces, etc. extreme accuracy.

84 A 3874 M—Wt. 2 lbs.

11 Aluminum Pocket Level. 5 vials, 1 set glass. 5 in. easy-to-carry.

84 A 3889—Ship. wt. 4 oz.

12 3-in. Aluminum Level. End hooks. 1 set glass.

84 A 3879—Ship. wt. 2 oz.

13 POWR-KRAFT Torpedo Level. 3 glasses; 1 plumb, 2 level. 45°, 1 level. Aluminum. 9 inches long.

84 A 3890—Wt. 6 lbs.

14 9-inch Hardwood Level. With 2 glasses.

84 A 3892—Ship. wt. 1 lb.

SQUARES, RULES

15 Rafter Squares. 16x24. Finest 1-piece construction. Essex, brace, Octagon tables, 100ths scale. Marked in 16ths, 8ths, back in 10ths, 12ths, 16ths. Tapered from angle to lie flat. ALUMINUM RAFTER SQUARE. Rustproof. 84 A 3840—Ship. wt. 2 lbs. 8 oz. \$4.84

BEST STEEL RAFTER SQ. Polished finish. 84 A 3839—Ship. wt. 3 lbs. \$3.53

BETTER STEEL RAFTER SQUARE. Grad. in $\frac{1}{8}$, $\frac{1}{4}$ in.; back $\frac{1}{4}$, 1 in. Nottapered. 84 A 3835—Ship. wt. 2 lbs. 8 oz. \$1.84

16 Utility Square. 8x12 in. $\frac{1}{8}$, $\frac{1}{2}$ -in. grad. one side; $\frac{1}{8}$, $\frac{1}{4}$ in. other. 84 A 3834—Ship. wt. 15 oz. \$1.73c

17 Sliding T-Bevel. 8-in. blade. 84 A 3830—Ship. wt. 14 oz. \$1.89

18 8-in. Try Square. Grad. 8ths. 84 A 3825—Ship. wt. 8 oz. \$2.49

19 Angle or Stair Gauges. 84 A 3846—Wt. 4 oz. Pair 59c

20 Metal Marking Gauge. $\frac{6}{16}$ -in. bar. Graduated in 16ths. 84 A 3848—Ship. wt. 5 oz. \$1.79

21 Hardwood Marking Gauge. Graduated in 16ths. 84 A 3847—Oval Stock. Wt. 4 oz. 49c

22 Masons' 6-Ft. Folding Rule. Grad. 16ths. Brick gauge. 84 A 6423—Ship. wt. 8 oz. \$1.98

23 New. Finest Quality 12-in. Combination Square with Center Head. 45° and 90° angles. Scriber and level included. 32nds. 84 A 5033—Ship. wt. 1 lb. \$1.89

24 12-in. Steel Combination Square. 84 A 5000—32nds. Wt. 1 lb. \$1.33

25 Caliper Rule. 16ths, 32nds. 84 A 4088—Wt. 2 oz. \$1.59

26 6-Ft. Hardwood Extension Rule. 16ths. Wt. 6 oz. 84 A 4065—Regular Reading \$1.97

84 A 4074—Flat Reading. 1.97

27 6-Ft. Maple Rule. Grad. in 16ths. Wt. 4 oz. 84 A 4070—Reg. Reading. \$1.35

84 A 4069—Flat Reading. 1.35

6-Ft. RULE. 16ths. Hardwood. 84 A 4072—Wt. 4 oz. \$1.70c

28 100-Ft. Chalk Lines. Strong No. 18 cotton cord. Wt. 4 oz. 84 A 4149—White. 2 Balls 35c

84 A 4133—Yellow. 2 Balls 37c

29 Carpenters' Blue Chalk. 84 A 4108—14 oz. 12 cakes 59c

30 50-Ft. Auto. Chalk Line. In handy metal case. 84 A 4147—Ship. wt. 9 oz. \$1.49

BLUE POWDERED CHALK FOR (29). Two 2-oz. packages. 84 A 4132—Ship. wt. 4 oz. 29c

31 Steel Plumb Bobs. Ship. wts. 6 oz., 9 oz., and 13 oz. 84 A 6425—5-oz. bob. 39c

84 A 6426—8-oz. bob. 52c

84 A 6427—12-oz. bob. 68c

32 Saw Vise. Cast-iron construction. $\frac{9}{16}$ -in. adjustable lever action jaw. Holds saw firm for setting, filing, etc. 84 A 4001—Wt. 5 lbs. \$3.39

33 Scratch Awl. $\frac{6}{16}$ in. with $\frac{3}{16}$ -in. blade. 84 A 4169—Wt. 5 oz. 83c

34 Carpenter's Pencil. State Hard or Soft. 84 A 4100—6 oz. Doz. 98c

35 Fiberboard Knife. 84 A 4180—Wt. 4 oz. \$1.49

36 Heavy-Duty Wrench. Bars. Wts. 4 and 6 lbs. 84 A 4153M— $\frac{3}{4}$ x24 in. \$2.49

84 A 4154M— $\frac{3}{4}$ x30 in. \$2.99

37 Offset Ripping Saw. 10 inches. With clip. 84 A 4187—Wt. 3 lbs. \$1.99

38 Magnetic Stud Finder. 84 A 4184—Wt. 2 lbs. \$1.99

39 10-in. Draw Knife. Alloy steel, sharp blade. 84 A 3550—Wt. 2 $\frac{1}{2}$ lbs. \$2.98

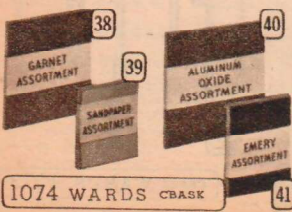
40 10-in. Pry Bar. Alloy steel. Wide pry edge. 84 A 4188—Wt. 11 oz. \$1.39

41 18-in. Electrician's Chisel. $\frac{3}{4}$ hex. steel. 84 A 4182—Wt. 3 lbs. \$1.78

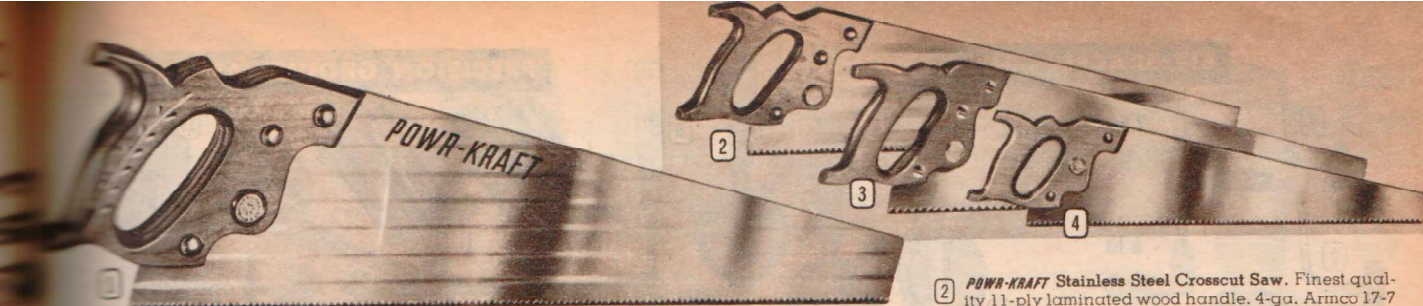
42 Nail Puller. Wt. 1 lb. 84 A 4170—18 in. \$1.99

43 Scraper. $\frac{8}{16}$ in. blade. 84 A 3563—Wt. 9 oz. \$1.99

44 Linoleum Knife. $\frac{1}{2}$ in. blade. Ship. wt. 4 oz. \$1.99



1074 WARDS CASK



Professional Quality Saw at New Low Price

POWR-KRAFT Saws. Rip, or 8- or 10-Tooth Crosscut. Tough 4-ga. chrome-nickel-alloy steel. Taper-ground and hardened to retain keen cutting edge. Solid walnut engraved handles. Comfortable grip. Blades filed and jointed individually for use between sharpenings. Hole in handle for hanging. Rip saws have 5½ teeth per inch, for cutting with grain.

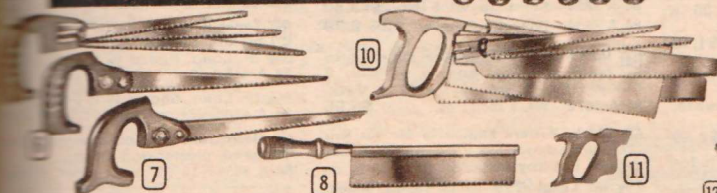
Crosscuts have 8 or 10 teeth per inch for cutting across grain. *Guaranteed, see below. State rip or crosscut when ordering; if crosscut, also state 8 or 10 teeth per inch. Ship. wts. 3 lbs. and 2 lbs. Shipped from Stock.
84 A 3922 M—26-in. length. Rip (5½ teeth per in.) or Crosscut (8 or 10 teeth per in.).....\$4.89
84 A 3922 M—PANEL SAW. 20-in. long crosscut with 10 teeth per inch. State: Panel Saw.....\$4.39

2 POWR-KRAFT Stainless Steel Crosscut Saw. Finest quality 11-ply laminated wood handle. 4-ga. Armco 17-7 PH stainless steel blade, taper-ground for less sawing resistance. Stain, rustproof. Teeth expertly set. 26 in. long. *Guaranteed. State 8 or 10 teeth per inch.
84 A 3921 M—Shipping wt. 3 lbs.....\$7.69

3 POWR-KRAFT Crosscut Saw. Like (1) but plain wood handle. 26-in. length. State 8 or 10 teeth.
84 A 3917 M—*Guaranteed. Ship. wt. 3 lbs.....\$3.69

4 POWR-KRAFT 2 Gauge Crosscut Saws. Taper-ground steel. Tough plastic handle. State size.
84 A 3933—20 in. 10 teeth per in. Ship. wt. 2 lbs...\$2.30
84 A 3933—26 in. 8 teeth per in. Ship. wt. 2 lbs.... 2.45

SPECIAL PURPOSE SAWS



POWR-KRAFT 4-Piece Saw Outfit. Three tempered steel blades: 14-in. metal 12-in. compass, 10-in. keyhole. Wood handle.
Ship. wt. 1 lb. 5 oz.....\$1.89

Compass Saw. Easily cuts odd intricate shapes. 12-inch blade.
Ship. wt. 12 oz.....98c

Compass Saw Blade. Fits (6).
Ship. wt. 6 oz.....60c

Guarantee—Wards will replace any Powr-Kraft saw on this page, if found defective within 1 yr. of purchase.

7 Keyhole Saw. 10-inch saw blade.
84 A 3954—Ship. wt. 6 oz.....\$1.15

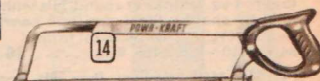
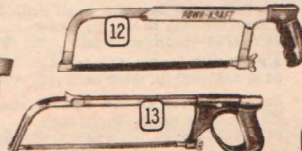
8 10-in. Dovetail Saw. Finer cut. 10x 1½ in. 17 teeth per inch.
84 A 3997—Ship. wt. 14 oz.....\$2.55

9 Saw Screws. Nickel-plated.
84 A 3943—Ship. wt. 3 oz. 6 for 65c

10 6-Pc. Saw Outfit. 5 tempered steel blades incl.; 16-in. panel, 12-in. miter, 12-in. compass, 10-in. keyhole, 15 in. pruning. Hardwood handle.
84 A 3961—Ship. wt. 2 lbs. 5 oz.....\$2.45

11 Saw Handle. Fit saws to 26 in.
84 A 3940—Ship. wt. 12 oz.....98c

HACKSAWS



12 14 Hacksaws. Flexible backs stand twisting. Reinforced steel frames. (12), (14) adjust for 8, 10, 12-in. blades. (13) for 10 and 12-in. 4 angle cut. With blade.

(12) POWR-KRAFT Hacksaw. Chromed frame. 84 A 4464—3-in. throat. Wt. 1 lb. 11 oz. \$1.55

(13) POWR-KRAFT Tubular Hacksaw. 10-in. blade. Safety grip metal handle.
84 A 4466—3½-in. throat. Wt. 1 lb. 13 oz. \$2.09

(14) POWR-KRAFT Mechanics' Hacksaw. Polished, chrome-plated. 10-in. tungsten steel blade. Heavy-duty frame. Plastic handle.
84 A 4465—3¾-in. throat. Wt. 2 lbs...\$2.15

16 Spiral Hacksaw Blades. Ship. wt. 6 oz.
84 A 4480—10 inches long.....3 for 90c

15 POWR-KRAFT Blades. Finest alloy steel. Wts. per ten, 10 in. 8 oz.; 12-in. 9 oz. State length.

Teeth Per in.	Catalog Number	10 in. for	12 in. for
18	84 A 4473	\$1.07	\$1.31
24	84 A 4476	1.07	1.31
32	84 A 4477	1.07	1.31

High Speed Blades. Molybdenum Steel. 18 teeth. 12 inches long.
84 A 4490—Wt. 4 oz...2 for \$1.10

Power Hacksaw Blades. Moly-steel. 14 teeth per inch. 12 inches long.
84 A 4486—Wt. 5 oz...2 for \$1.38

SHOP TOOLS



Heavy Duck Carpenter's Bib Apron.
84 A 4176—Ship. wt. 8 oz.....\$1.49

Ward-Type Apron. (Not shown.)
84 A 4177—Ship. wt. 12 oz.....\$1.19

POWR-KRAFT Coping Saw. Deep-cut. With 6½-inch throat, takes branch blades.
84 A 3962—Ship. wt. 12 oz....\$1.13



19 Coping Saw Blades. 6½ inches long.
84 A 3964—Ship. wt. 2 oz.....6 for 49c

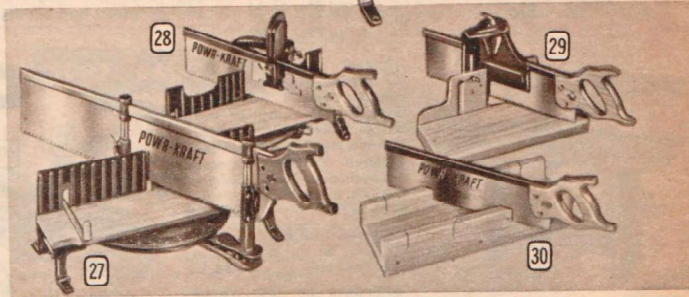
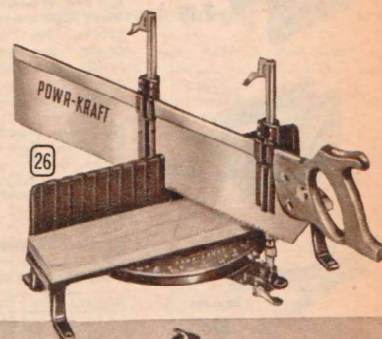
Spyral Coping Saw Blades. 6½ inches long.
84 A 3969—Ship. wt. 2 oz.....12 for 79c

20 Plier Grip Saw Set. Set saws 11 teeth per in.
84 A 4007—7½ in. Wt. 1 lb.....\$2.75

21 Saw Filer. Heavy-Duty. Save time, labor.
84 A 4025—Instructions. Wt. 10 oz.....\$2.15

MITER BOXES

26 POWR-KRAFT Miter Box with Saw. Our fastest seller. Cuts angles from 45° to 90°. Takes stock to 4½ inches. Numbered quadrants for easy angle setting. Use both hands...catches, holds saw above work until positioned. Stops control depth of cut. 11-pt. back-saw. 24x4 in. Buy on Terms, only \$3.50 Dn. Shipping wt. 22 lbs. Mailable.
84 A 3978MB—\$4 Mo., Cash \$30.50



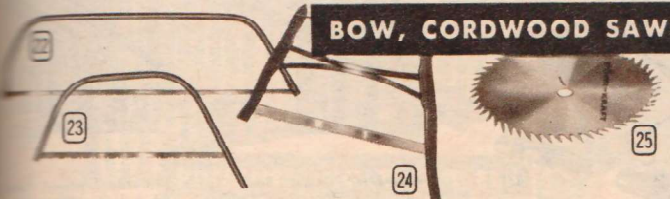
27 POWR-KRAFT Miter Box with Saw. Our finest. Quadrant graduated in degrees. Indexed for 3, 4, 5, 6, 8, 12-sided figures. Takes stock to 4½ in. To 9½ in. at right angle. Pressed steel legs. With 28x 5-in. 11-pt. back-saw. Mailable.
84 A 3975 MB—Wt. 32 lbs...\$61.50

28 POWR-KRAFT Miter Box with Saw. For 4, 6 or 8-sided figures. Swivel clamps between holes. Adjust to 4-in. depth of cut and thickness of saw. Gauge acts as stop. 14-in. saw. Ship. wts. 13, 11 lbs.
84 A 3983Y—BOX WITH SAW \$18.95
84A3982M—MITER BOX ONLY. 16.95

29 Good Quality Miter Box with Saw. Buy combination box and saw to save over 10%. Cuts 5° to 50° angles. Guide locks any position. 45° to 90°. Adjustable to 3 in. high. Stamped steel, wood baseboard. 14-in. back-saw, described below.
84 A 3988—BOX WITH SAW. Wt. 7 lbs...\$8.65
84 A 3987—BOX ONLY. Ship. wt. 5 lbs...6.25

30 Economy Miter Box with 14-in. Saw. Cuts 45° angles, right and left hand miters.
84 A 3992—BOX WITH SAW. Wt. 7 lbs...\$4.45
84 A 3994—BOX ONLY. Wt. 3 lbs. 6 oz...1.00
POWR-KRAFT Backsaw Only. 14x3½ inch.
84 A 3995—Ship. wt. 2 lbs. 10 oz.....\$3.33

BOW, CORDWOOD SAWS



Swedish-Type Bow Saw. Hand filed, set. 42x3¼-in. blade.
84 A 7030 MO. Wt. 7 lbs. \$4.95

Swedish-Type Bow Saw. Hand filed, set. 42x3¼-in. blade.
84 A 7031M—Ship. wt. 11 oz. \$1.49

Swedish-Type Bow Saw. Swedish steel. No bind.
84 A 7026MO—30 in. Wt. 3 lbs. \$2.59
36 in. Wt. 3 lbs. 2.98

Blades for (23). Wts. 8, 10 oz.
84 A 7027M—30 in. 98c; 36 in. \$1.19

Champion Tooth Bucksaw. 30x1¾-in. steel blade.
84 A 7025M—Ship. wt. 4 lbs. \$3.59

Blades for (24) above.
84 A 7035 M—Ship. wt. 13 oz. .98c

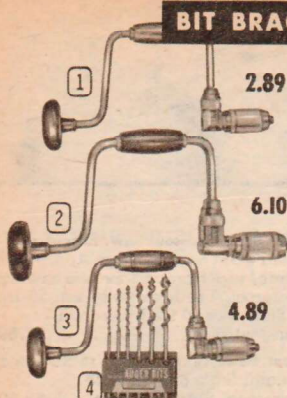
25 Cordwood Saws. Chrome-nickel alloy saw steel. Hand hammered and oil tempered. Standard 1¾-inch holes; bushing furnished for smaller holes to 1 inch. Holes smaller than 1 inch not recommended. For blades with holes over 1¾ to 2 inches, add \$1, use Catalog Number 84 A 6900 F; shipped from Factory near Indianapolis, Indiana, allow 2 weeks extra. State diameter and hole size. Mailable except 30 and 32 inches. See table below.

In. Diam.	Recom. RPM	Catalog Number	Lb. Wt.	Price Each
20	1285	84 A 6900H	12	\$9.95
28	1285	84 A 6900HB	25	16.95
30	1200	84 A 6900R	28	18.95
32	1200	84 A 6900R	32	21.95

Visit our Ward Catalog Store soon, see Pages 1267-1269.

SATISFACTION GUARANTEED CBASK WARDS 1075

BIT BRACES, DRILLS



1 Popular-Priced **POWER-KRAFT** Brace with 2 jaw chuck, 10-in. sweep, hardwood handle and knob. 13 1/4 in. long.
84 A 3602—Ship. wt. 3 lbs. \$2.89

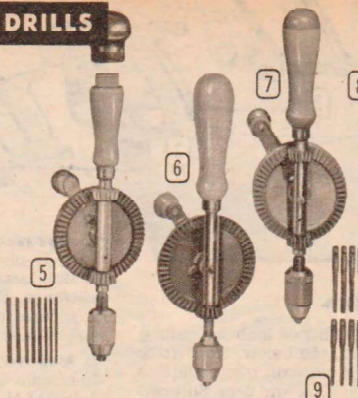
2 Finest **POWER-KRAFT** Bit Brace with hardened, self-opening 2 jaw chuck, heavy-duty steel bow and ratchet. Fits tapered sq. shanks or round bits with 1/8 to 1/4 in. shanks. Steel clad ball bearing head. 14 1/4 in. rust-resistant frame.
84 A 3610—Wt. 3 lbs. 8 oz. \$6.10

3 **POWER-KRAFT** Medium Duty Bit Brace. Semi-enclosed ratchet. Takes square or round shank bits 1/8 to 1/4 in.
84 A 3604—Wt. 2 lbs. 12 oz. \$4.89

4 6-Pc. Auger Bit Set. 1/4, 5/16, 3/8, 1/2, 5/8, and 3/4 in. diam. With metal rack.
84 A 3621—Wt. 1 lb. 7 oz. \$5.65

5 **POWER-KRAFT** Hand Drill. 1/4 in. chuck. Double pinion gears. 2 position handle for faster or slower drilling. Steel frame. 8 straight drill bits 1/64 to 1/64 in. 84 A 3709—11 1/2 in. Wt. 1 lb. 9 oz. \$4.54

6 Economy Hand Drill. Die cast wheel. Thrust bearing for smooth action.
84 A 3700—Single pinion. Wt. 1 lb. \$1.79



7 **POWER-KRAFT** Drill similar to (5). Has solid handle. No drill points.
84 A 3704—Ship. wt. 1 lb. \$2.89

8-Pc. Drill Bit Set. Round shank 1/64 to 1/64 in. diam. Fits drills (5), (6), (7).
84 A 3736—Ship. wt. 3 oz. Only 98c

8 **POWER-KRAFT** Push Drill. Includes 8 points — 1/64 to 1/64 9 in. long.
84 A 3741—Ship. wt. 9 oz. \$4.05

9 Drill Point Set. Fits push drill (8). 8 points—1/64 to 1/64 by 64ths.
84 A 3734—Ship. wt. 2 oz. \$1.49

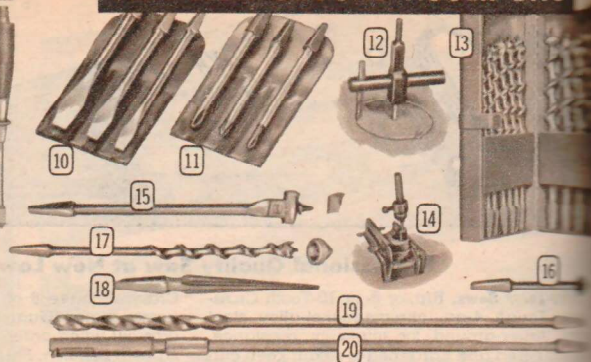
4-Pc. Drill Point Set. 1/64 to 1/64.
84 A 3735—Ship. wt. 2 oz. 75c

10 Screwdriver Bit Set. Square shanks. Includes 1/4, 3/8, 1/2 in. sizes.
84 A 4191—Ship. wt. 6 oz. Set \$1.49

11 Phillips Screwdriver Bit Set. Includes Nos. 1, 2 and 3. In plastic case.
84 A 4192—Ship. wt. 5 oz. Set \$2.29

12 Hole Cutter for bit brace or electric drill. Tool steel cutter. For steel or wood. Cuts 7/8 to 4-in. diam. hole.
84 A 3656—Ship. wt. 6 oz. \$1.60
84 A 3657—EXTRA BLADE Wt. 3 oz. 59c

PRECISION GROUND AUGER BITS



13 **POWER-KRAFT** 13-Pc. Auger Bit Set. Finest precision ground tool steel hardened and tempered to take and hold sharp edge. Spiral twist uniformly ground for steady drilling—bits will not bind, cuttings clear cleanly. From 1/4 to 1 in. by 16ths, individually carded for greater protection. With 2 1/2 x 6 x 10-in. metal box, hammerlock finish. For individual bits see (17), at right.
84 A 3624—Set. Ship. wt. 5 lbs. \$13.50
84 A 3634—Box only. Ship. wt. 2 lbs. 2.39

14 Doweling Jig. Alloy steel cutter bores holes in edge, end or surface. 9 guides—1/16, 1/4, 5/16, 3/8, 7/16, 1/2 in. thick.
84 A 3672—Wt. 1 lb. 11 oz. \$5.95

15 Clarks Pattern Expansive Bit has two interchangeable, hardened tool steel cutters. Fits any standard brace.
7 1/2 in. Long. Cuts 1/2 to 1 1/2 in. holes.
84 A 3667—Ship. wt. 6 oz. \$2.79

8 1/2 in. Long. Cuts 3/8 to 3 in. holes.
84 A 3668—Ship. wt. 12 oz. \$3.45

16 Countersink. Bore 5/8 in. hole.
84 A 4168—3 3/8 in. long. Wt. 2 oz. 39c

17 Individual Auger Bits. Same as (13). Tempered tool steel.
84 A 3620—State diameter wanted

Diam.	Wt.	Ea.	Diam.	Wt.	Ea.
1/4 in.	3 oz.	71c	1 1/8 in.	4 oz.	98c
5/16 in.	3 oz.	75c	1 1/4 in.	4 oz.	98c
3/8 in.	4 oz.	79c	1 3/8 in.	4 oz.	98c
7/16 in.	4 oz.	85c	1 1/2 in.	4 oz.	98c
1/2 in.	5 oz.	89c	1 5/8 in.	4 oz.	98c
5/8 in.	4 oz.	94c	1 3/4 in.	4 oz.	98c
3/4 in.	4 oz.	98c			

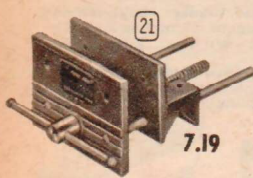
18 Taper Reamers. Ream in wood, metal. Fit any standard bit.
5 3/8 in. Long. Reams 1/8 to 1/2 in.
84 A 4164—Ship. wt. 5 oz. \$2.79

6 1/2 in. Long. Reams 3/8 to 1 in.
84 A 4165—Extra long. Wt. 11 oz. \$3.45

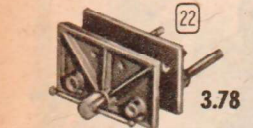
19 Electrician's Bit. Tool steel—cane metal, plaster and plastic.
84 A 3639—18 in. long. State diameter wanted

20 Steel Bit Extension. 18 in. long. Fits 1 1/8 in. bit. Fits standard.
84 A 3645—Ship. wt. 1 lb. \$3.45

WOOD WORKING VISES



21 **POWER-KRAFT** Standard Woodworker's Vise. Continuous 5/8 in. screw. 3 1/4 x 7 in. jaws open 7 in. Mottled tan finish. Mailable. Ship. wt. 13 lbs.
84 A 3185 M. \$7.19

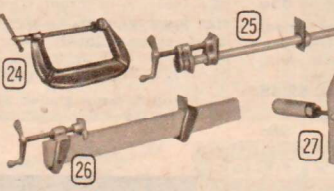


22 Utility Woodworker's Vise. Continuous screw. 6 1/2 in. wide jaw faces open to 4 1/2 in. Wt. 6 lbs. 8 oz. Mailable.
84 A 3159. \$3.78



23 New Spring Clamp.
84 A 3161—State quantity and length.

L'gth.	Wt.	Ea.	4 for
4 in.	3 oz.	31c	\$1.14
6 in.	10 oz.	51c	1.87
9 in.	1 lb.	79c	2.89



24 Iron "C" Clamps. Self adjusting swivel head, sliding "T" handle.
84 A 3160—Steel screw. State size.

Size	Depth	Wt. Each	Each 2 for
1 in.	1 in.	4 oz.	21c 40c
2 in.	1 in.	7 oz.	27c 52c
3 in.	2 in.	13 oz.	64c \$1.24
4 in.	3 in.	1 3/4 lbs.	\$1.11 2.09
5 in.	3 1/4 in.	2 3/4 lbs.	1.34 2.60
6 in.	3 1/2 in.	3 lbs.	1.52 2.96
8 in.	4 in.	5 1/4 lbs.	2.45 4.70

Aluminum. Perfect for pattern work.
84 A 3167—Strong, rustproof. State size.

1 in.	1 in.	2 oz.	32c 60c
2 in.	1 in.	3 oz.	45c 86c
3 in.	2 in.	8 oz.	84c \$1.62
4 in.	3 in.	13 oz.	\$1.19 2.30

CLAMPS, GLUING SUPPLIES



25 Pipe Bar Gluing Clamp. Fits 3/4 in. pipe (not included). Wt. 3 1/2 lbs.
84 A 3151—Ea. \$2.15. 2 for \$3.98

26 Wood Bar Gluing Clamp. Fits 1 3/8 x 2 1/2 in. bar (not incl.). Wt. 3 1/2 lbs.
84 A 3150—Each \$2.22. 2 for \$3.98

27 Jorgensen Steel Spindle Handscrews. 84A3153—State length. Maple handle. 8-in. jaw. Wt. 2 1/2 lbs. Each \$4.29
12-in. jaw. Wt. 3 1/2 lbs. Each 4.75
10-in. jaw. Wt. 4 3/4 lbs. Each 5.96

28 Corner Clamp. Holds gluing work, etc. Opens 3 in. Wt. 12 oz. each.
84 A 3175—Ea. \$1.19. 4 for \$4.37

Adjustable Miter Gluing Clamp.
84 A 3178—Wt. each 1 lb. \$1.96

29 Dowel Centers—Eliminate using. 2 each, 1/4, 3/8, 1/2 in.
84 A 3177—Ship. wt. 4 oz. \$2.79

30 Sander. 1 3/4 x 20-in. sandpaper. 84A4109—Ship. wt. 8 oz. \$2.79
84 A 4110—Refills. Wt. 2 oz. \$1.19

31 Powdered Resin Glue. For to-wood bonds. Postpaid.
84 AP 3174—8 oz. can. \$1.19

32 White Glue. For paper, leather, wood. Wt. 8 oz. \$1.19
84 A 3170—4-oz. bottle. \$1.19
84 A 3168—1-PINT bottle. \$2.79

33 10-Pc. Hardwood Dowel Set. 1/4, 3/8, 1/2 in.; 1 ea. 1/2, 3/4, 1 in.; 1 ea. 1 1/4, 1 1/2 in.; 1 ea. 1 3/4, 2 in. long. Wt. 1 lb. \$3.45

34 Steel Bench. Top has hardwood core with securely bonded hardboard surface. . . . tougher than Maple. 24x60x31 in. high. Formed steel frame and lower shelf. Takes 2 drawers, not included. Easy to assemble. Wt. 97 lbs. Not Mailable.
84 A 2933 R. \$24.99

35 Metal Tool Rack Tray. Fits (34). 60 in. Wt. 9 1/2 lbs.
84 A 2932 MO. \$4.27

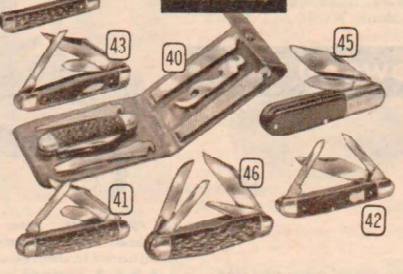
36 Drawer for (34) above. Steel sides, hardboard bottom. 15x19x5 in.
84 A 2934M—Wt. 10 lbs. Each \$3.97. 2 for \$7.85

37 Steel Folding Saw Horse. Safe load 450 lbs. Folds compactly for storage. 42x23 in. high. Wt. 12 lbs.
84A2974M—\$5.75; Pr. \$10.95

38 Saw Horse Brackets. Use with 2x4 lumber. Two prs. make two saw horses. Wt. pr. per 2 lbs. 8 oz.
84 A 2970—One Pair \$1.39
Two Pairs. Only 2.45

39 **POWER-KRAFT** 24-in. Shop Light. C-clamp. 6-ft. cord with plug. 18-in. flexible arm. Wt. 2 lbs. 12 oz.
84 A 2972. \$3.97

KNIVES



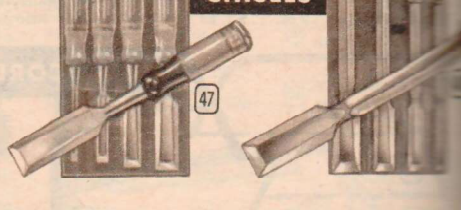
40 Pocket Knife Tool Kit. Has blade, can and bottle opener, file, screwdriver, punch, chisel.
84 A 73—With Vinyl case. Ship. wt. 12 oz. \$1.98

41 to 45 Pocket Knives. Blades: clip and pen, all; spray, (41) (42); tracing, (43). Wts. (41) to (44) 2 oz., (45) 4 oz. State Catalog Number.

No.	Type	Length	Blades	Cat. No.	Each
(41)	Jack	3 3/8 in.	3	84 A 6	\$2.35
(42)	Pony Jack	2 3/4 in.	3	84 A 39	2.35
(43)	Carpenter	3 1/2 in.	3	84 A 11	4.25
(44)	Jack	2 7/8 in.	2	84 A 37	1.39
(45)	Barlow	3 1/4 in.	2	84 A 40	98c

46 Stock Knife. Clip, sheepfoot, spray, punch.
84 A 1—Brown Stag Handle. 3 3/8 in. 4 oz. \$2.35
84 A 5—Without punch blade. Ship. wt. 4 oz. 2.35

CHISELS



47 **POWER-KRAFT** Chisel Set. Our best alloy tool steel chisels, bevel ground and polished. Tough plastic handles have steel caps to prevent flaring. Sizes: 1/4, 1/2, 3/4, 1 in. Plastic case.
84 A 3590—Wt. 1 lb. 11 oz. \$6.95

POWER-KRAFT Individual Chisels.
84A3591—Like (47). State Size.

Size	Ship. Price	Size	Ship. Price
1/4 in.	5 oz. \$1.72	1 1/2 in.	7 oz. \$1.93
1/2 in.	6 oz. 1.77	1 3/4 in.	9 oz. 2.19
3/4 in.	6 oz. 1.84	1 7/8 in.	12 oz. 2.59

POWER-KRAFT Wood Chisel Set. Tang-type 2 1/2 in. alloy steel. Like (47) but without steel caps. Sizes: 1/4, 1/2, 3/4, 1 in. Plastic case.
84 A 3586—Wt. 1 lb. 3 oz. \$4.35

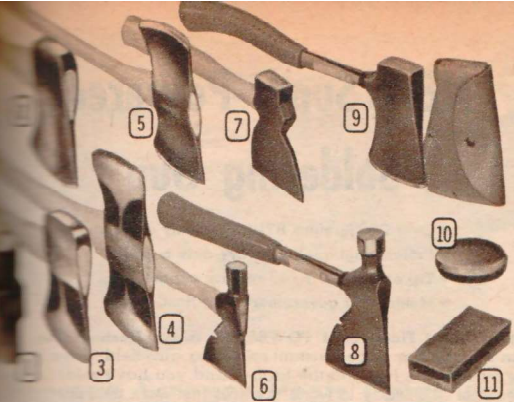
Individual Wood Chisels.
84 A 3589—State size

Size	Ship. Price
1/4 in.	5 oz. 1.72
1/2 in.	6 oz. 1.77
3/4 in.	6 oz. 1.84
1 in.	7 oz. 1.93
1 1/4 in.	9 oz. 2.19
1 1/2 in.	12 oz. 2.59

48 All-Steel Wood Chisel Set. 1/4, 1/2, 3/4, 1 in. alloy steel. Like (47) but without steel caps. Sizes: 1/4, 1/2, 3/4, 1 in. Plastic case.
84 A 3586—Wt. 1 lb. 3 oz. \$4.35

Size	Lgth.	Ship. Price
1/4 in.	9	4.35
1/2 in.	10	4.35
3/4 in.	11	4.35
1 in.	12	4.35
1 1/4 in.	12	4.35

Best Buys



Balanced, Drop-Forged Axes

Sedges. 36-in. drop steel heads. *State* Ship. wts. 10, 12 lbs. 8-lb. head...\$5.45 6.25 Handle. Wt. 2 lbs. 95c

Single Bit Axe. head. 36-in. handle. Wt. 4 lbs.\$3.98

Michigan Pattern Axe. 3 1/2 or 4-lb. head. 4, 7 lbs.

Double Bit. \$5.67 Ship. wt. 2 lbs. Each. For (3)....\$1.09 For (4).... 1.09

Cruisers' Axe. 2 1/2-lb. head. 28-in. hardwood handle. Wt. 4 lbs.\$4.47 Handle. Wt. 1 lb. 89c

Wedge. Wt. 8 oz. 2/17c

Hatchet. Black. High steel retains sharpest edge. 12-in. hardwood handle. 3 1/2-in. cut. Wt. 2 lbs.\$2.94

POW-KRAFT Broad Hatchet. No. 2-size head. Beveled striking face. 1-piece ground honed bit. 4 1/2-in. cut. Black finish. 1 1/2-in. hickory handle. Mailable. 84 A 3800—Wt. 2 lbs. 8 oz....\$4.29

POW-KRAFT All-Steel Hatchet. Hardened oct. bell. 3 1/2-in. bit. Beveled nail slot. 18 1/2 oz. head. 13-in. steel handle, cushion grip. 84 A 3801—Wt. 2 lbs. 7 oz....\$5.35

POW-KRAFT All-Steel Campers' Axe with Leather Sheath. Beveled face. 3 1/2-in. bit. Steel handle with non-slip cushion grip. 20-oz. head. 13 1/4 in. long. 84 A 3809—Wt. 2 lbs. 6 oz....\$4.39

Extra Hatchet Handles. Hickory. Ship. wts. 6 oz., 8 oz., 12 oz. 84 A 3816—For Hall Hatchet. 49c 84 A 3817—For Campers' Axe 49c 84 A 3819—For Broad Hatchet 49c

Axe and Bench Stones. Vitrified silicon carbide. Combination of fine and coarse grits. Ship. wts. 8 oz., 12 oz., 1 1/4 lbs.

(10) 84 A 4130—Axe. 3x5/8 in.74c (11) 84 A 4127—Bench 5x2 in.\$1.09 84 A 4129—Bench 7x2 in.1.69

78-Pc. Stencil Set. Bold brass characters. Includes: 48 letters, 20 numerals, 10 symbols, brush and ink. 3-in. high letters are in Gothic style; all others are in Roman. 84 A 4138 *State Letter Height Wanted.*

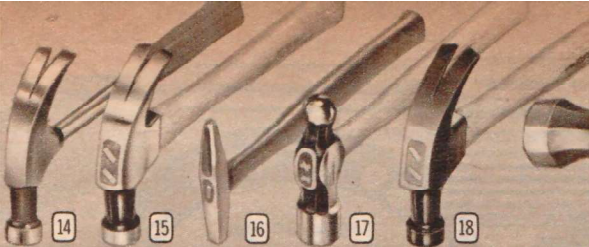
Ht.	Wt.	Set	Ht.	Wt.	Set
1 in.	1 1/4 lbs.	\$4.55	2 in.	2 lbs.	\$8.45
1 1/2 in.	1 1/2 lbs.	6.45	3 in.	2 1/2 lbs.	12.55

Stencil Brush. Tough bristles. 84 A 4135—Wood handle. Wt. 4 oz. 45c

Black Stencil Ink. 6-oz. cake. 84 A 4136—Ship. wt. 8 oz.89c

Steel Letter And Figure Stamps. For marking wood, metal, leather, etc. Machine made with hardened steel faces. Use them to insure positive identification, prevent losses. **ALPHABET SET.** With "&" sign. 84 A 4144 1/2 in. Wt. 1 lb. 8 oz.\$4.59 1/4 in. Wt. 3 lbs. 8 oz.\$5.98

NUMBER SET. 0 to 9. (6 Inverts for 3.) 84 A 4143 1/2 in. Wt. 8 oz.\$1.60 1/4 in. Wt. 1 lb. 2 oz.2.10



Our Best POW-KRAFT All-Steel Hammer. Indestructible in normal use. Built-in balance. Cushion grip. Ship. wts. 1 1/4, 1 3/4, 1 1/2 lbs. 84 A 3777—16 oz. Claw...\$3.97 84 A 3778—16-oz. Rip...\$3.97 84 A 3779—13-oz. Claw. Balanced for lighter work. 3.97

Our Best Professional Wood-Handled Hammer. 14-in. hickory handle. 84 A 3752—Claw. 16-oz. octagon head. Wt. 1 lb. 8 oz.\$3.45

All-Steel Hammers. Perfectly balanced—cushion grip. Wt. 1 1/2 lbs. 84 A 3758—16 oz. Claw...\$3.25 84 A 3759—16 oz. Rip...\$3.25

Good Quality Claw Hammer for home use. 14-in. hickory handle. 84 A 3750—16 oz. head. Ship. wt. 1 lb. 9 oz.\$2.45

Electro-Matic Tack Hammer. Split-end magnetized head. 84 A 3776—10-in. handle. Ship. wt. 8 oz.Only 65c

Best Quality Ball Pein Hammer. Won't flare or chip. 84 A 4550—Ship. wts. 13, 18, 25, and 35 oz. *State Size.*

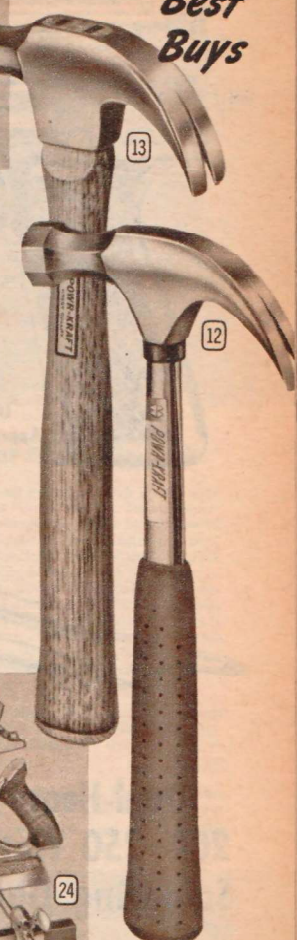
Size	Head	Each	Size	Head	Each
3-0	8 oz.	\$1.97	0	16 oz.	\$2.24
2-0	12 oz.	2.05	2	24 oz.	2.59

Utility Claw Hammer with 14-in. hardwood, hickory handle. 84 A 3760—16 oz. black head. Ship. wt. 1 lb. 9 oz.89c 84 A 3761—6 oz. black head. 11 1/2-in. handle. Ship. wt. 13 oz.89c

Hickory Hammer Handles. For replacement. *State length.*

14 in.	Fits Regular	84 A 3787	Ship. wt. 9 oz.	47c
14 in.	Fits Octagon	84 A 3789	Ship. wt. 9 oz.	65c
14 in.	Fits Ball Pein 3-0 to 0	84 A 4556	Ship. wt. 9 oz.	49c
16, 18	Fits Engineers	84 A 4558	Ship. wt. 12 oz.	55c

84 A 4166—Nail Sets. 1/32, 3/32, 2/32. Ship. wt. 12 oz. 3 for 79c



Powr-Kraft Planes Cut Cleaner... Stay Sharp Longer

19 New 4-Edge Cutter Plane. When edge is dull, just turn blade to a sharp side. Put in new blade when all four edges have been used. Full 2-in. cut. 9-in. body made of strong cast iron to take rugged use. 84 A 3511—Ship. wt. 2 lbs.\$2.88 84 A 3512—Extra 4-edge blade. Wt. 3 oz. 80c

20 7-in. Block Plane. Good quality. Adjustable 1 3/8-in. tool steel cutter. 84 A 3543—Ship. wt. 1 lb. 8 oz.\$2.95

POW-KRAFT Block Plane. Adjustable 1 3/8-in. cutter of tool steel. 6 1/4 in. long. 84 A 3536—Ship. wt. 1 lb. 12 oz.\$4.35

Model Makers' Plane. 1-in. steel cutter. 84 A 3539—3 1/2 in. long. Ship. wt. 4 oz. 90c

POW-KRAFT Smooth, Jack, Fore, Jointer and Rabbit Planes. Heat-treated crucible steel blades are exceptionally accurate. Adjustable for tissue thin or coarse cuts. Hardwood handles shaped to fit your hand. Tough cast-iron frames are built to last. *Jack plane shown.*

Cat. No.	Type	Size	Length	Weight	Price
84 A 3513	Jack	No. 5	14 in.	5 lbs.	\$5.98
84 A 3520 M	Fore	No. 6	18 in.	7 1/2 lbs.	11.25
84 A 3510	Smooth	No. 4	9 in.	3 lbs.	5.25
84 A 3547	Rabbit	...	8 1/2 in.	3 lbs.	5.35

POW-KRAFT Combination Plane. 7 planes in one! It can dado, rabbit, tongue and groove, bead, slot, cut sash, plane and rout. Now, do every planing job with one compact tool. Includes 23 steel cutters, depth gauge. 84 A 3548—With 2 spurs. Wt. 9 lbs.\$39.50



PUNCHES, COLD CHISELS

Punch and Chisel Set. Includes: 1/2 and 3/8x3/4-in. cold chisels; 1/8x1/2-in. diamond point chisel; 5/16x1/8-in. pin punches; 3/8x4 3/8-in. center punch; 1/2x1/4-in. solid punch. With kit. Ship. wt. 2 lbs. 2 oz. Set \$3.69

Pin Punch Set. 5/16x1/8, 3/16x3/32, 1/8x1/4-in. 5 to 6 1/2 in. long. Plastic kit. Wt. 12 oz.\$1.65

3-pc. Punch and Chisel Set. 1/4x3/16, 3/8x3/4-in. cold chisels; 3/8x1/2-in. diamond pt. chisels; 7/16x1/4-in. cape 3/8x3/8-in. center punch; 5/16x1/8, 3/8x3/16-in. pin punches; 3/8x3/16-in. solid punches; 3/8x3/16-in. taper. 4396—Ship. wt. 3 lbs.Set \$5.25

4-pc. Punch and Chisel Set. 3/8-in. pin punch, 3/8-in. taper punch, 3/8-in. center punch and 3/8-in. cold chisel. 84 A 4599—Ship. wt. 13 oz.\$1.69

5-pc. Punch and Chisel Set. Includes: 3/8x7/16, 1/2x3/8-in. cold chisels, 3/8x4 3/8-in. center punch; 3/8x3/16-in. pin and solid. 84 A 4593—Ship. wt. 1 lb. 8 oz. Set \$2.10

3-pc. Chisel Set. 3/16x3/8, 7/16x1/2, 3/8x3/4-in. cold chisels. Ship. wt. 1 lb. 5 oz. 84 A 4578—Plastic kit, 4 1/2 to 7 in.\$1.75

4-pc. Taper Punch Set 7-9 in. long. 1/4x3/32, 5/16x1/8, 3/8x3/16, 7/16x7/32-in. 84 A 4595—Plastic kit. Wt. 1 lb.\$2.29

SURFORM TOOLS

36 to 39 Versatile Surform Tools cut 12 times faster than ordinary files. You can use them to shape, smooth, trim and cut a variety of shapes and materials from wood and plastics to mild steel. Use a light, steady pressure; the hardened, tempered tool steel blades do the rest. Smooths wood even against the grain. Strong die-cast frames with wood handles. *Postpaid.*

(36) Pocket Surform. 5 1/2x1 3/8 in. 84 AP 3574—Fits your hand....\$1.49 84 AP 3575—Extra Blade for (36)...75c

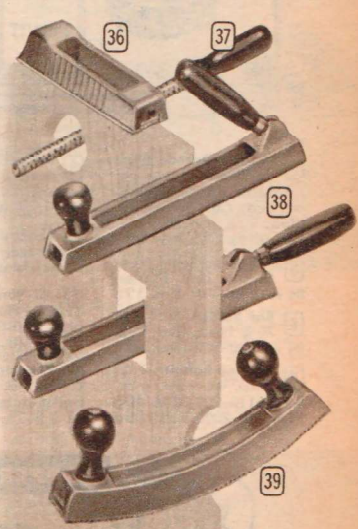
(37) Keyhole Surform. 3/8x10 in. long. 84 AP 3577—Ideal for holes....\$2.39 84 AP 3581—Extra Blade for (37)... 1.19

(38) Plane-File Combination. Adjustable handle allows use as both tools (see view at right). 84 AP 3580—10x1 1/8 in.\$2.98

Replacement Blades for (38), (39). 84 AP 3571—Flat Blade98c 84 AP 3573—Half-Round Blade...\$1.19

Fine Tooth Blade. Fits (38), (39). 84 AP 3576—For soft metals....98c

(39) Convex Surform. 10x1 3/8 in. long. 84 AP 3578—For odd shapes...\$3.69





NEW Super-Powered Soldering Gun

- Over 200% more BTU's than any other gun
- Professional quality, heavy-duty model
- Tip outlasts 20 to 30 regular copper tips
- Meets rigid government specifications

1 NEW! Our Finest Most POWERFUL Instant-Heating Gun in the popular priced instant soldering gun field. Save time, save current . . . just pull the trigger and you have soldering heat in seconds . . . ready to work. Assures fast work as solder melts the touch. NO fragile thermostats . . . NO heavy transformer. Includes permanent tip . . . resists oxidation, never needs filing or touch-up. Independent light switch, standard candelabra bulb, eliminates shadows. Light weight and well balanced for use . . . heat resistant handle shaped to fit the hand. Gun is U.S. and C.S.A. approved. U.L. Approved 3000 cycle cord and plug. 84 A 6068—For AC or DC, 110-120 volts. Wt. 2 lbs. . . . Only \$11.95

Satisfaction Guaranteed or Your Money Back



2 Squeeze the trigger and get instant heat . . . working hot in less than 5 seconds. First trigger position provides ample, precise heat for light soldering. Second trigger position delivers maximum for heavy soldering work. Assures fast work as solder melts to the touch. Offered at Wards at a price you would expect to pay for a single heat soldering gun. Compact and well balanced for easy use. Long reach tip resists oxidation and promotes longer life. Two built-in trigger controlled spotlights focus on work and eliminate shadows. Heat resistant handle and case. With tip. Operates on 110-120 volt AC only. U.L. approved. Needed tool for home handyman, mechanic, metal worker, hobbyist . . . ideal for electrical, radio and television. Order extra tips below. Complete satisfaction guaranteed.

84 A 6093—Shipping weight 3 lbs. 12 oz. Mailable . . . \$8.45
84 A 6096—2 Extra Tips for (2). Shipping weight 3 oz. . . . \$4c

3 Ideal for Electrical and Automotive Repairs, hobby projects . . . everything you need for fast efficient soldering. Has improved dual-heat soldering feature. First trigger position provides ample, precise heat for light soldering and second trigger position delivers maximum heat for heavy soldering. Working hot in only five seconds. Economical as it heats only while trigger is pressed. Soldering tool makes light wire twists; helps open solder joints. Kit complete with two tips, soldering tool, tip wrench, and solder (shown at right). Operates on 110-120 volt, AC. Order extra tips below.

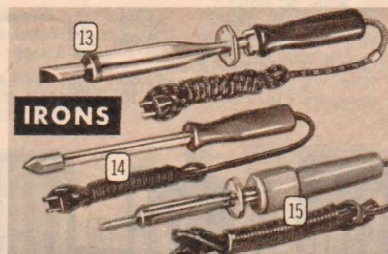
84 A 6092—Shipping weight 3 lbs. Mailable . . . Kit \$6.93
84 A 6094—2 Extra Tips for (3). Ship. wt. 2 oz. . . . \$3c



SOLDERING NEEDS

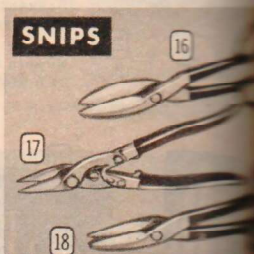
- 4** Miracle Devcon Plastic Steel. Pliable yet hardens like steel without heat. Can be drilled, filed. 2 oz.
84 A 6138—Wt. 6 oz. 89c
- 5** Soldering Paste Flux. Cleans and Fluxes.
84 A 6130—Wt. 5 oz. 17c
- 6** Bar Solder. 30% tin, 70% lead. Use flux.
84 A 6100—Wt. 18 oz. 92c
- 7** Bearing Babbitt. 1 lb. Ship. wt. 1 lb. 4 oz.
84 A 6115—200 RPM 49c
84 A 6116—2000 RPM 59c
- 8** Silver Solder. 1 oz. coil. Brazes brass, silver, etc.
84 A 6142—Wt. 4 oz. \$1.45
- 9** Oatey Silver Flux brazes silver, brass.
84 A 6143—Wt. 9 oz. \$1.29
- 10** All-Purpose Real Solder Flux for copper pipe and fittings.
84 A 6140—Wt. 8 oz. 45c
- 11** Plastic Aluminum. 5 1/2-oz. tube. Seals and mends permanently.
84 A 6137—Wt. 7 oz. 89c

- 12** Self-Flux Solder. Spools are 40% tin, 60% lead; coils, 30% tin, 70% lead.
- Acid Core.** For general use. Ship. wts. 1 lb. 2 oz., 4 oz.
84 A 6109—1-lb. spool. \$1.09
84 A 6108—10-ft. coil . . . 39c
- Rosin Core.** For electrical work. Wts. 1 1/4 lbs., 6 oz.
84 A 6105—1-lb. spool. \$1.09
84 A 6104—10-ft. coil . . . 39c
- Wire Solder.** Use flux. 1 lb.
84 A 6101—Wt. 1 lb. 2 oz. 99c



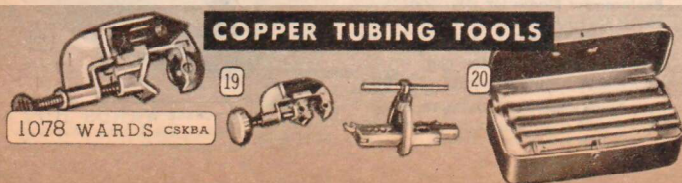
IRONS

- 13-15** Soldering Irons. Nickel-chrome elements. Removable copper tips. 110-120-V. AC-DC. Irons U.L. Approved.
- (13) Heavy-Duty Iron.** 5/8-in. Tip. 200-W. element wound on mica.
84 A 6062—Wt. 2 lbs. 2 oz. . . \$5.94
- 8/16-in. Tip. 125-watt element.**
84 A 6061—Wt. 1 lb. 6 oz. . . \$4.29
- (14) Economy 3/4-in. Tip. 100-W.**
84 A 6053—Wt. 15 oz. . . . \$1.78
- (15) Pencil Tip Soldering Iron.** 2 detachable tips, 3/16, 1/8 in. U.L. Approved.
84 A 6055—35-watt. Wt. 7 oz. . \$3.49



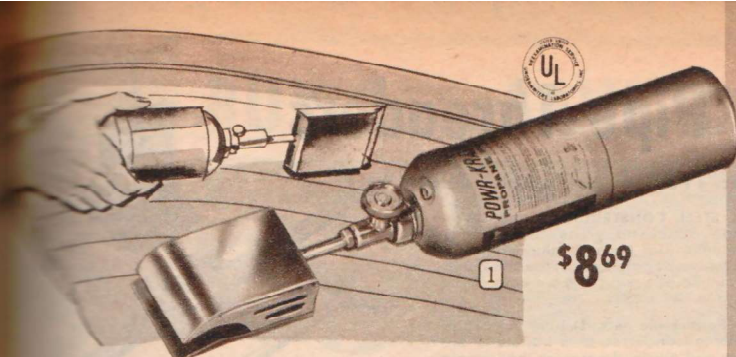
SNIPS

- 16** Straight Pattern Tin Snips. Polished steel. Compound action. Wts. 1 lb., 1 lb. 10 oz. State lengths.
84 A 6025—10 in. long, 2 1/2 in. cut. 12 3/4 in. long, 3-in. cut. . . .
- 17** 10-in. Aviation Snips. 1 1/2-in. cut. steel. Compound action. Wts. 1 lb., 1 lb. 10 oz.
84 A 6030—Straight cut. . . .
84 A 6031—Left Hand cut. . . .
84 A 6032—Right Hand cut. . . .
- 18** Duck Bill Tin Snips. Cuts straight and circular shapes. Drop forged steel jaws. 15 oz., 15 oz., and 2 lbs. 11 oz. State lengths.
84 A 6026—7 in. long, 1 1/4-in. cut. 10 in. long, 2 3/4-in. cut. 12 3/4 in. long, 3-in. cut. . . .



COPPER TUBING TOOLS

- 19** Utility Cutter. For aluminum, copper, brass tubing to 1-inch diam. Sliding spring-loaded safety reamer. Tool steel cutter wheel. Shipping wt. 13 oz.
84 A 6289 . . . \$1.59
- 20** Copper Tubing Kit. Cuts to 1-in. outside diam. 3/16, to 5/8-in. outside diam. Bends 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1-in. outside diam. tubing. Rust-resistant. Mail.
84 A 6330—COMPLETE KIT. Wt. 5 lbs. 13 oz. . . .
84 A 6323—TUBE CUTTER ONLY. Dbl. Roller. Wt. 13 oz. . . .
84 A 6327—FLARING TOOL ONLY. Wt. 2 lbs. 6 oz. . . .
84 A 6326—BENDING SPRING SET. Wt. 2 lbs. 10 oz. . . .

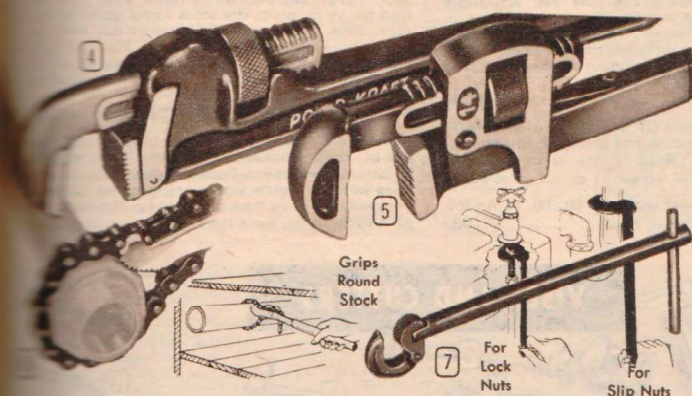


Propane Scraper Peels Paint in Seconds

POW-KRAFT Propane Paint Scraper saves valuable time and effort. Economical . . . 13.4 oz. fuel tank provides 10% more fuel than others, at no extra cost. One-hand operation lessens fatigue, increases safety. Concentrates heat, softens the paint, blows it away cleanly. Corrosion-resistant stainless steel shroud and ground steel handle. Forged valve and burner for extra years of use.

Perfect for the "do-it-yourself" for removing paint in the home, refinishing painted surfaces inside and outside work. Order extra fuel cylinders at right. U.L. approved. Make a heavy job. A handy addition to any home or workshop.

With extra-large 13.4 oz. fuel cylinder. Ship. wt. 4 lbs. 8 oz. . . . Each **\$8.69**



Powr-Kraft Wrenches Pass Gov't. Specifications

POW-KRAFT Solid-Pattern Pipe Wrenches. Heavy-duty professional quality. Strong, solid frame, housing and handle. Tempered hardened steel jaws. Deeply cut pipe firmly; free-working adjusting nut. State size. Mailable.

8-inch length. Takes 3/4-inch pipe. Ship. wt. 1 lb. . . . **\$1.85**
10-inch length. Takes up to 1-inch pipe. Ship. wt. 2 lbs. . . . **2.39**
14-inch length. Takes up to 1 1/2-inch pipe. Ship. wt. 3 lbs. 14 oz. . . . **3.30**
18-inch length. Takes up to 2-inch pipe. Ship. wt. 6 lbs. 5 oz. . . . **4.76**
24-inch length. Takes up to 2 1/2-inch pipe. Ship. wt. 10 lbs. . . . **7.82**

Priced Stillson Pattern Pipe Wrenches. Imported from West Germany and made of German steel. Tough jaws and handles are drop-forged, tempered, hardened. Teeth for firm, sure grip on round or irregular shapes. State size. Mail.

10-inch length. Takes 1-inch pipe. Shipping weight 1 lb. 7 oz. . . . **\$1.04**
14-inch length. Takes 1 1/2-inch pipe. Shipping weight 3 lbs. . . . **1.59**
18-inch length. Takes 2-in. pipe. Shipping weight 4 lbs. 7 oz. . . . **2.29**

POW-KRAFT Chain Pipe Wrench. Ideal for plumbers, steamfitters, well diggers, etc. any shape object without slipping (see view). For close quarter work on pipe, etc. where obstructions prevent use of regular pipe wrench. Ratcheting action. Alloy steel, polished head; 12-in. handle; heavy-duty roller chain. 15 in. long. Fits 2-in. outside diameter pipe. Mailable.

Shipping weight 1 lb. 13 oz. each. . . . Each **\$3.37**; 2 for **\$6.14**

Wrench. Extra long handle permits clearance under most lavatories and sinks. Action cut teeth bite right through oily surfaces. Self-adjusting—fits 1/2 to 1 3/4-in. change position on friction pivot—any angle through 180°. Slip-resistant grip. Shipping weight 1 lb. 11 oz. Mailable. . . . **\$1.59**

PROPANE TORCHES



5-Pc. Kit \$7.95

POW-KRAFT Propane Torch Kit. Quick, sure lighting without priming or pumping. Open valve, touch with a spark lighter and it's ready for use. 13.4 oz. propane tank, burner assembly with pencil point burner, heavy-duty burner tip, chisel point soldering tip, flame spreader, lighter in metal case. Order extra fuel cylinders below at right.

84 A 6158—Wt. 5 lbs. 3 oz. . . . **\$7.95**

Torch only, with Pencil-Point Burner. Similar to torch in (2) above.

84 A 6155—Wt. 3 lbs. 10 oz. . . . **\$4.54**

Chisel-Point Soldering Tip.

84 A 6150—Ship. wt. 4 oz. . . . **\$1.44**

Heavy-duty Burner Tip.

84 A 6152—Ship. wt. 4 oz. . . . **\$1.49**

Flame Spreader Attachment.

84 A 6151—Ship. wt. 4 oz. . . . **83c**

Rocket Flame Kit \$9.95

Our Finest Propane Torch Outfit with "Rocket Flame" action. Trigger control triples tank life. Pilot increases to foot long flame capacity equal to that of a blow-torch . . . yet returns to pilot when released. Save time and fuel . . . one hand operation. Forged brass valve body and floating needle valve. Use for countless jobs around the home, for soldering, thawing frozen pipes, linoleum forming, etc. Lights instantly, burns in any position. Save time, have extra fuel on hand, order below.

Includes: blast burner, tank, pencil point tip and soldering tip. U.L. Approved. Shipping wt. 5 lbs.

84 A 6157—Kit. . . . **\$9.95**

Extra 13.4 oz. Propane Fuel Cylinders.

For (1), (2), (3). Have an extra supply.

84 A 6007—Wt. 5 lbs. 2 oz. . . . 2 for **\$2.88**

FURNACES



POW-KRAFT Gasoline Furnace. Economical. Malleable cast-iron top plate holds 6-in. melting pot. 1-gal. cap. Automatic check valve. 6 1/2-in. flame shield. \$2.50 Dn. 84 A 6136 M—Wt. 13 lbs. . . . Cash **\$23.40**

Propane Furnace. No regulator required. Fits tank with 3-in. flange valve. Holds 8-in. melting pot. With 20-lb. capacity tank. Tanks shipped without fuel to meet postal regulations. \$4 Down. Wt. 33 lbs.

84A6135YB—COMPLETE. \$4 Mo. Cash **\$39.45**

84A6133M—FURNACE ONLY. Wt. 9 lbs. . . . **16.95**

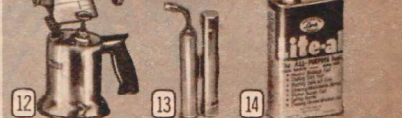
84A6134MB—TANK ONLY. Wt. 24 lbs. . . . **23.95**

12-Lb. Pot and 4-Lb. Ladle. Use with (8), (9). For melting lead, etc.

(10) 84 A 6121—Pot. Wt. 3 lbs. 12 oz. **\$1.44**

(11) 84 A 6120—LADLE. Wt. 1 lb. 4 oz. . . . **96c**

TORCHES



Heavy-Duty Brass Gasoline Blow Torch. Top Quality. Needle valve, terne-plate bottom. Seamless drawn brass tank. Windshield. Detachable hook holds soldering iron. 1-quart capacity.

84 A 6000—Wt. 4 lbs. 11 oz. **\$14.45**

Low-Priced Steel Blow Torch. Copper brazed seams, joints. Blow-proof constructed pump for safety. 1-quart capacity tank.

84 A 6001—Wt. 3 lbs. 8 oz. . . . **\$8.90**

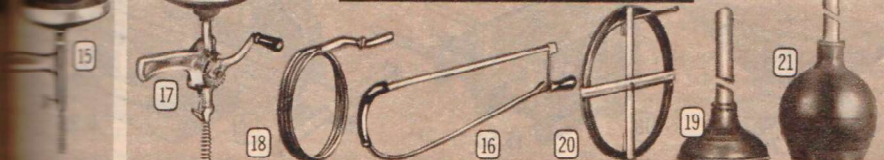
Pocket Alcohol Blow Torch. Self-blowing, leakproof. 1/2 pint. Heats to 1500°F. Mailable.

84 A 6023—Ship. wt. 6 oz. . . . **\$1.98**

Fuel for (13) above. Pint can.

84 A 6020—Wt. 18 oz. . . . **69c**

AUGERS AND PLUNGERS



Plumber. Quickly cleans drain obstructions. Flexible spring rod coils in metal container. Remove only what is needed. State size.

84 A 6315—1/4-in.x10-ft. Wt. 3 1/2 lbs. **\$3.49**

84 A 6304—1/4-in.x15-ft. Wt. 4 lbs. . . . **4.49**

84 A 6303—1/4-in.x26-ft. Wt. 6 lbs. . . . **6.79**

Plumber Toilet Attachment. Converts standard toilet to clean-out. All metal and clamp. Bright satin finish.

84 A 6324—Wt. 12 oz. . . . **98c**

Toilet Auger. 3/8-in. diam., 1-pc. flexible spring wire, plated tube vinyl coated. Easy to use.

84 A 6318 M—Wt. 2 lbs. 4 oz. . . . **\$1.72**

New Hi-Speed Drive and Container. High torque ratio equal to electric drive unit. Rod not included, order (18) below.

84 A 6309—Wt. 3 lbs. 8 oz. **\$6.75**

Drain and Waste Line Spring Rods. Manual or Hi-speed gear drive use. Cadmium plated, twist slide handle. Spring rod. Wts. 3 1/4 lbs., 5 1/4 lbs., 1 1/4 lbs.

Cat. No. Length Diam. Each

84 A 6306L 15 ft. 5/16 in. **\$2.26**

84 A 6307L 25 ft. 5/16 in. **3.20**

84 A 6305 6 ft. 1/4 in. **88c**

Rubber Force Cup. 6-in. diam.

84 A 6319—Wt. 1 lb. . . . **33c**

Vacuum Plunger. 5 3/4-in. cup.

84 A 6320—Wt. 1 lb. 7 oz. . . . **\$1.49**

Flat Steel Sewer Tapes. Flat steel spring with metal frame for easy rodding in remote locations.

84 A 6310—25 ft.x1/4 in.; 1 lb. . . . **93c**

84 A 6311 M—50 ft.x1/4 in.; 7 1/4 lbs. **\$5.65**

84 A 6312 M—50 ft.x3/4 in.; 10 lbs. **7.15**

84 A 6313 M—75 ft.x3/4 in.; 14 1/4 lbs. **11.50**

84 A 6314 M—100 ft.x3/4 in.; 18 1/4 lbs. **12.40**

New Heavy-Duty Force Cup Plunger.

Provides extra pressure. Heavy ribbed live rubber. Tight seal. 6-in. diameter, 24-in. handle.

84 A 6316—Ship. wt. 1 lb. . . . **\$1.49**

FAUCET REPAIRS



Faucet Seat Dresser. Easy-turning knurled nuts. Milled edge ground teeth; cutter. Reamer and 4 tool steel cutters: 1/2, 3/8, 1/4 and 3/16 in. For re-dressing seats of old faucets.

84 A 6321—Shipping wt. 10 oz. . . . Set **\$1.39**

Faucet Reseater Set. Outfit has everything to fit leaky faucets. 6 seats, 3 bibb screws, 3 taps with stems, 6 washers, 2 seat wrenches, handle included. End faucet drip in minutes.

84 A 6322—Ship. wt. 1 lb. 12 oz. . . . Set **\$4.45**

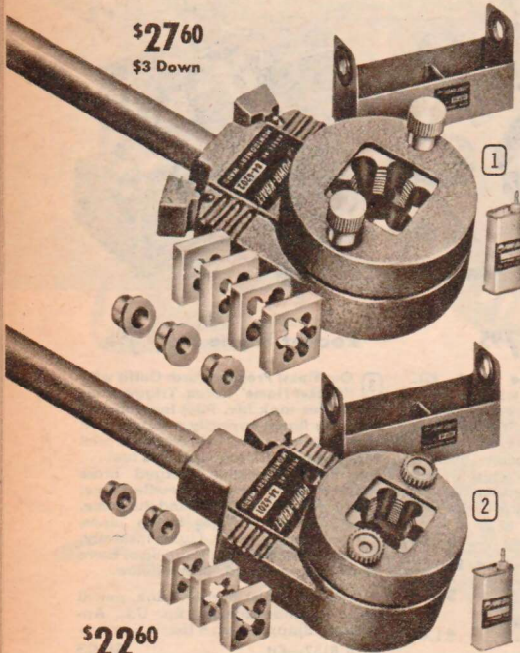
JUST SAY CHARGE IT AT WARDS
See Page 1281

SATISFACTION
GUARANTEED

CSKBA WARDS 1079

Our Finest Quality Pipe Threaders

• More cutting edges for faster cutting • Solid dies cut clean, uniform threads • Double or single ratchet models



\$2760
\$3 Down

HEAT TREATED TOOL STEEL CONSTRUCTION and up-to-date, improved design add extra years of service to dies. Superior to segmental dies because alignment and starting threads are positive... always cut the same uniform thread. Deeper cutting edges have more chip clearance, cut accurately, quickly, easily.

1 POWR-KRAFT Double Ratchet Die Sets. Double durability... with double force transferred from handle to die block. Cuts doubly fast, and allows closer work than single ratchet. Set includes: double ratchet stock; 1/2 pint cutting oil; 2 1/2 x 2 1/2-in. block dies with guides in sizes 1/2, 3/4, 1, 1 1/4 in. Includes carrying case.

84 A 6202—Ship. wt. 15 lbs. \$3 Down... Cash \$27.60

4x4-in. Double Ratchet Die Set. With 1 1/4, 1 1/2 and 2-inch dies. Does not include carrying case.

84 A 6203 MO—Ship. wt. 32 lbs. \$2.50 Dn... Cash \$24.75

Extra 2 1/2 x 2 1/2-in. Dies. Like (3) below. Wt. ea. 1 lb. 5 oz.

84 A 6205—State 3/8, 1/2, 3/4, 1 or 1 1/4-in. size... Each \$4.45

Extra 4x4-in. Dies. Like (3) below. Ship. wt. ea. 3 lbs. 11 oz.

84 A 6206—State 1, 1 1/4, 1 1/2 or 2-in. size... Each \$6.25

84 A 6219—Guide for 1-in. 4x4-in. die. Wt. 1 lb. 13 oz. 1.85

2 POWR-KRAFT Single Ratchet 2x2-in. Die Set. Adequate for needs of most home owners. Ideal outfit to begin building a complete professional set. Self-feeding block dies cut faster, cleaner. Set includes ratchet stock; 1/2, 3/4 and 1-in. dies with guides. 1/2 pint cutting oil; steel carrying case. \$2.50 Down, \$4 Monthly on Terms.

84 A 6201—Ship. wt. 12 lbs. Cash \$22.60

3 Extra 2x2-in. Dies for sets (2) and (4) and 84 A 6200. Same superior heat-treated tool steel construction as in sets above. State 3/8, 1/2, 3/4 or 1-in. size.

84 A 6204—Ship. wt. ea. 11 oz. Ea. \$3.95

3/8-inch Guide. Use with sets (2), (4), 84 A 6200.

84 A 6218—Ship. wt. 7 oz. 98c



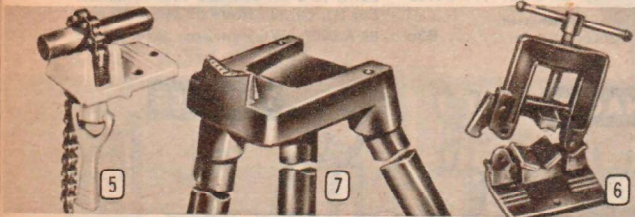
Home Repairman's Kit

4 Can hold, cut and thread 1/2-in. and 3/4-in. and rods. THREADER features solid die stock 2x2-in. heat-treated tool steel dies. Sizes: 1/2, 3/4 in. Large chip pockets for clean, even cutting for 1/2-in. pipe; die stock forms guide for pipe. PIPE VISE has 1-piece removable steel. Takes pipe up to 1 1/4-in. diameter. PIPE CUTTER malleable iron frame, tool steel cutting wheel. Cuts pipe from 1/8 in. to 1 in. in diameter. With 1/2 pint cutting oil. Wt. 14 lbs. Available.

84A6224M—COMPLETE KIT. \$2.50 Down... Cash \$22.60

Homeowner's Economical Die Set. Ideal for home 2x2-in. dies. Threads 1/2-in. and 3/4-in. pipe. Minimum investment. Same as above set. Does not have pipe vise or pipe cutter. Do it yourself and save time and money. Available.

84 A 6200—Ship. wt. 6 lbs. Only \$9.85



5 POWR-KRAFT Chain Pipe Vise. Holds small pipe without bending. For small odd shapes. Flat link steel chain. Holds 1/8 to 2-in. pipe.

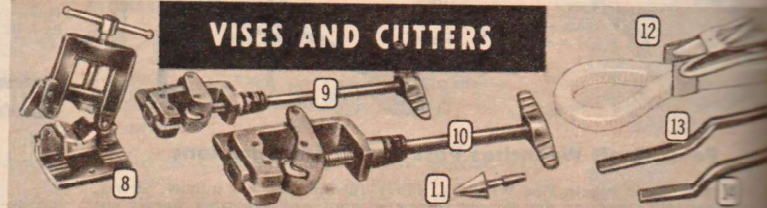
84 A 6282—Mounts on stand (7). Ship. wt. 4 lbs. 12 oz. Mail... Only \$5.90

6 POWR-KRAFT Self-Locking Plumbers' Pipe Vise. Opens for easy removal of pipe. Malleable iron frame, long jaw style. Jaws replaceable. Milled teeth. For pipe up to 2 1/2-in. diameter. Mounts on bench or fits stand (7).

84 A 6277 M—Ship. wt. 10 lbs. Available... \$9.40

7 POWR-KRAFT Pipe Stand Vise. Specifically designed to hold securely vises (5) and (6) above. Completely portable. 41-in. legs fold up for carrying vise right to job. Ruggedly built from heavy-duty malleable iron. Three point suspension legs give solid support. Also can be adapted to your present pipe vise.

84 A 6273 M—Available. Ship. wt. 29 lbs. \$16.95



8 Pipe Vise. Long jaw style. Jaws replaceable. Self-locking latch. For pipe up to 1 1/4-in. diam.

84 A 6276 M—Available. Ship. wt. 5 lbs. \$4.50

9 10 Pipe Cutters. Tool steel cutting wheels. Order extra cutters below. Two sizes. Available.

(9) No. 1. Cuts 1/8-in. to 1-in. diameter pipe.

84 A 6298—Ship. wt. 4 lbs. Only \$5.80

(10) No. 2. Cuts 1/8-in. to 2-in. pipe.

84 A 6299—Ship. wt. 7 lbs. 12 oz. \$8.85

Extra Cutter Wheels for Pipe Cutters. Razor sharp.

84 A 6283—For No. 1. Ship. wt. 3 oz. \$1.09

84 A 6284—For No. 2. Ship. wt. 3 oz. 1.19

11 Steel Pipe Reamers. State size.

84 A 6296—1/8-1-in. Wt. 6 oz.

1/4-1 1/4 in. Wt. 10 oz.

1/2-2 in. Wt. 1 lb. 9 oz.

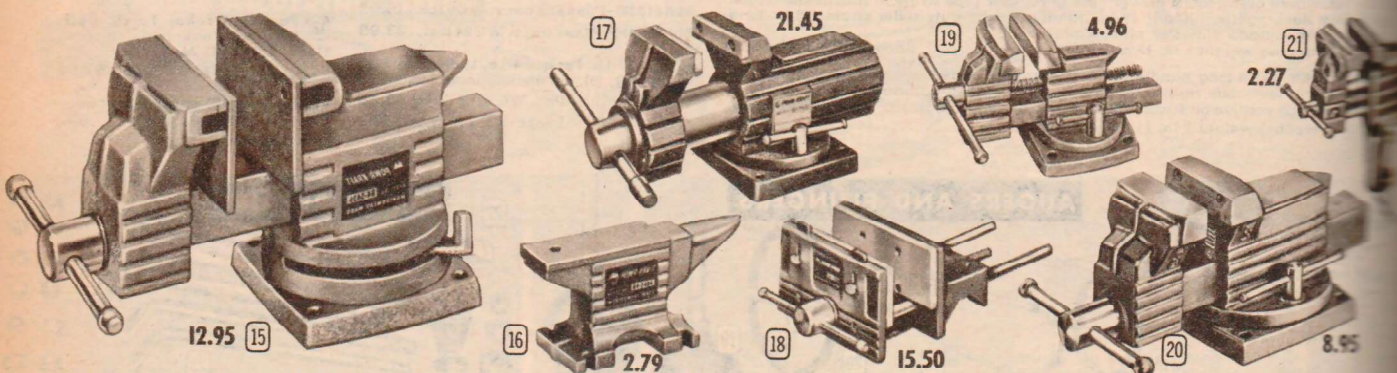
12 Asbestos Joint Runners. lead until hard. Wt. 15 oz.

84 A 6302—2-6-in. diam. \$1.19

13 14 Caulking Irons. 11 oz.

(13) 84 A 6301—Yarn, \$1.19

(14) 84 A 6300—Outside, \$1.19



15 POWR-KRAFT Tri-Purpose "Quick Shift" Vise. Shift lever converts screw vise to free sliding-jaw type. Removable 5-in. fiberboard jaw faces. Base swivels 200°, locks in any position. Built-in cast pipe jaws. Guar.*

Jaw Width	Jaws Open	Holds Pipe	Cat. No.	Ship. Wt.	Only
3 3/4 in.	3 3/4 in.	1/8 to 1 1/4 in.	84 A 5435 MB	18 lbs.	\$12.95
5 in.	5 in.	1/4 to 2 1/2 in.	84 A 5436 MB	30 lbs.	19.75

16 POWR-KRAFT Hobby Anvil. Solid semi-steel. 3x8x4 in.

84 A 5401—Ship. wt. 9 lbs. 15 oz. \$2.79

17 Mechanics' Vises. Professional quality. Replaceable jaw faces. Tube slide protects screw and nut. 160° swivel base. Guaranteed.*

Jaw Width	Jaws Open to	Cat. No.	Ship. Wt.	Price
3 1/2 in.	4 in.	84 A 5450 MB	23 lbs.	\$21.45
4 in.	5 in.	84 A 5451 MO	37 lbs.	30.45
5 in.	6 in.	84 A 5452 MO	47 lbs.	38.45

Pipe Jaws. For 84 A 5452 MO above. 5-in. jaw width. Holds 1/8 to 2 1/2-in. pipe. Mail.

84 A 5453—Wt. 1 lb. Pr. Pair \$4.85

18 POWR-KRAFT Heavy-Duty Woodworkers' Vise. Lever quickly converts from screw to "Quick Shift" type. High tensile semi-steel jaws, hard maple faces incl. Screw diameters: 3/4 in. for 9-in. vise; 1 in. for 12-in. vise. Mottled tan finish. Guaranteed.* Available.

Width	Opens	Cat. No.	Wt.	Price
9 in.	10 in.	84 A 3186 MB	27 lbs.	\$15.50
12 in.	13 in.	84 A 3187 MB	35 lbs.	17.90

19 3 1/2-in. POWR-KRAFT Workshop Vise. High tensile semi-steel. Swivels 200°. Smooth faced jaws. Built-in pipe jaws.

84 A 5404—Ship. wt. 12 lbs. \$4.96

20 POWR-KRAFT Heavy-Duty Workshop Vise. to meet the requirements of every home. High tensile semi-steel bodies with points reinforced. Heavy steel channel covers and protects vise screw. Hardened, replaceable serrated jaw faces. Pipe jaws. Large anvil surfaces. Base 200° and lock in any position. Mottled tan finish with nickel plated handle. Guaranteed. Will be replaced if found defective in any part.

Jaw Width	Opens To	Takes Pipe Sizes	Catalog Number	Ship. Wt.	Price
3 3/4 in.	3 3/4 in.	1/8-1 1/4 in.	84A5405	15 lbs.	\$12.95
4 in.	4 in.	1/4-1 1/2 in.	84A5427 MB	23 lbs.	30.45
5 in.	5 in.	1/2-2 in.	84A5428 MB	29 lbs.	38.45

21 POWR-KRAFT Clamp-On Utility Vise. High tensile semi-steel. Jaws are 2 1/2-in. wide. 2 1/2 in.

84 A 5426—Ship. wt. 4 lbs. \$2.79

BUY 2... SAVE 10%

- Zinc-Plated to Resist Rust
- Electric Butt-Welded Links
- Meets Government Specifications

1

16 foot Logging Chain. Both slip and grab hooks attached. Perfect for logging or tow lines within weight limit. State size. *Mailable.*

84 A 9620 MO—Buy 2 and Save 10% at Wards NOW.

Links Per ft.	Safe Working Load	Ship. Wt.	Price Each	Two for
12	1,175 lbs.	11 lbs.	\$5.04	\$9.19
10 3/4	1,750 lbs.	16 lbs.	7.19	13.19
9 3/4	2,450 lbs.	23 lbs.	10.19	18.19
8	4,250 lbs.	23 lbs.	17.49	31.99

16 and 20 foot Tractor Chains. Built to withstand heavy strains... outpulls and outlasts log chain. Butt-welded high-tensile steel links give maximum strength. Breaking strength is 4 times safe load. Slip and grab hooks attached. *Mailable.*

84 A 9621 MO—Buy 2—Save 10%. State size.

Rod Size	Lgth. Ft.	Links Per Ft.	Safe Load Lbs.	Wt. Lbs.	Price Each	Two For
3/8 in.	16	9 3/4	5,100	27	\$16.59	\$32.75
1/2 in.	20	8	8,200	59	34.95	67.50

Anchor Shackles. Highly resistant. Forged steel. 84 A 9722—State size.

Wt. Lbs.	Safe Load	Price Each	Price 3 for
3	720	39c	\$1.11
4	1,060	46c	1.30
6	1,600	52c	1.47
14	2,820	80c	2.30

Swivel Eye Snap. Rust-resistant galvanized steel. Size 1 has 3/8-in. diam. eye. 3 1/2 in. long. Size 3 has 1/2-in. eye. 4 1/2 in. long. State quantity. Wt. 3 oz.

84 A 9655—Size 1... Each 75c

84 A 9656—Size 3... Each \$1.03

Gold Hammer Shut Repair Links. Ready for immediate use on broken chain. No welding—just slip repair link on chain at break—cold rivet in place. *Mailable.*

84 A 9654—State diameter.

Ship. wt.	Ea.	12 for
3 oz.	9c	89c
3 oz.	9c	89c
3 oz.	9c	99c
4 oz.	12c	\$1.25
6 oz.	14c	1.49
7 oz.	15c	1.59

Heavy Duty Chain Hooks. Made of forged steel. State size and quantity.

(5) 84 A 9651—GRAB TYPE.

(6) 84 A 9650—SLIP TYPE.

Size	Wt.	Ea.
3/8 in.	5 oz.	21c
1/4 in.	7 oz.	21c
5/16 in.	12 oz.	23c
3/8 in.	1 lb.	32c
7/16 in.	1 1/2 lbs.	50c
1/2 in.	2 lbs.	57c

Durable Clevis Hooks. Drop-forged steel. Easily detached. Be sure to State size and quantity.

(7) 84 A 9659—SLIP TYPE.

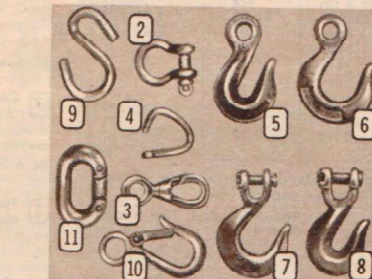
(8) 84 A 9658—GRAB TYPE.

Size	Ship. Wt.	Each	6 for
1/4 in.	9 oz.	47c	\$2.75
5/16 in.	14 oz.	54c	3.12
3/8 in.	1 1/2 lbs.	77c	4.49
1/2 in.	3 lbs.	\$1.17	6.89

"S" Hooks. Strong galvanized wire for repairing or fastening chain.

84 A 9665—State diameter

Diam.	Lgth.	Wt.	12 for
1/8 in.	1 1/8 in.	3 oz.	20c
3/16 in.	2 1/8 in.	8 oz.	32c
1/4 in.	2 1/4 in.	14 oz.	50c



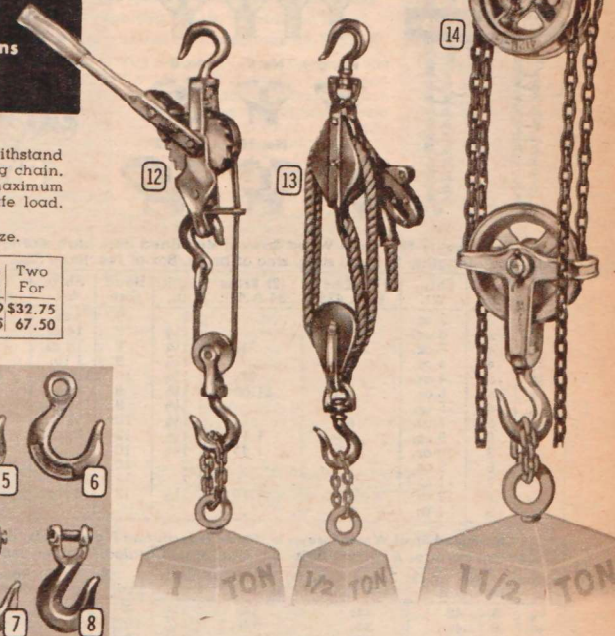
Strong Safety Snap Hooks. Safe load 750 lbs. Diameter 7/16 in.

84 A 9660—Wt. 5 oz. Each 79c

Chain Repair Links. No heating necessary. Drop-forged steel. Interlocking lugs on 3/8, 7/16 and 1/2-in. sizes.

84 A 9657—State diameter.

Diam.	Ship. wt.	Ea.	6 for
3/8 in.	2 oz.	15c	85c
1/4 in.	3 oz.	15c	85c
5/16 in.	3 oz.	18c	99c
3/8 in.	4 oz.	23c	\$1.29
7/16 in.	5 oz.	28c	1.56
1/2 in.	8 oz.	33c	1.87



Lever-Lift Wire Rope Hoist. Use as hoist or puller. 14 foot hook travels at 1/2-ton capacity. Aluminum alloy reel, rack and pinion. Drop-forged steel hooks for safety, will bend before hoist breaks. 1/4-in. airplane cable. Positive lock for safety. Tubular handle with plastic grip has 8-in. minimum movement. *Mailable.*

84 A 9740 M—Ship. wt. 10 lbs. \$4.00 Down, \$5 a Month... Cash \$33.95

Rope Hoists With Roller Bearings. Double sheaves for smooth operation. Drop forged hooks at top and bottom for maximum strength. Heavy-duty reinforced steel construction. Self-locking, non-slip-ping. 4 to 1 mechanical advantage does most of the work. Built to give years of rugged service. Requires 4 feet of rope to lift object 1 ft. *Mail. State size.*

Differential Chain Hoists. Meet U.S. Navy Specs. 41H12F. Extra-heavy load sheaves, malleable iron yokes and heat-treated drop-forged swivel hooks.

Lower hook has ball thrust bearing for easy turning of load.

Electrically welded steel load chain locks automatically at any point—won't slip. Chain lengths 22, 26, 30, and 33 ft. Built for years of service. Rigidly inspected during manufacture. Ship. wts. 23, 29, 53, and 81 lbs. *Mailable.* except 1 1/2-ton size.

Rope Size in.	Safe Load Lbs.	Hoist with 50-ft. Rope 84A9713M		Hoist only 84A9716M	
		Wt. lbs.	Price	Wt. lbs.	Price
3/8	1,000	7	\$4.39	5	\$2.79
1/2	1,500	11	7.59	7	4.85
5/8	2,000	17	10.98	11	6.69

Cap. tons	Lift ft.	Cat. No.	Cash
1/4	6	84 A 9725 MB	\$23.45
1/2	7	84 A 9726 MB	27.50
1	8	84 A 9727 MO	39.75
1 1/2	8 1/2	84 A 9728 RS	59.95

POWR-KRAFT CHAINS



Proof Coil Chain. For logging chains, etc. State size. 84 A 9600 H—Meet Government Spec. RR-C-271A.

Safe Load	Links Per Ft.	Ship. Wt.	1-24 ft. up per ft.	25 ft. up per ft.
700 lbs.	12 1/2	1/2 lb.	16 1/2c	15 1/2c
1,175 lbs.	12	1 lb.	27c	26c
1,750 lbs.	10 3/4	1 1/4 lbs.	41c	39c
2,450 lbs.	9 3/4	1 1/2 lbs.	61c	59c
4,250 lbs.	8	2 1/2 lbs.	\$1.05	99c

*Maximum length 1 piece—100'

Wire Chain. Single loop.

84 A 9614 H—Galvanized, lays flat. State size, ft.

Wire Gauge	Safe Load	Links Per Ft.	Wt. Per ft.	1-24 ft. up Per ft.	25 ft. up Per ft.
11 (1/8 in.)	215 lbs.	9 3/4	4 oz.	11c	10c
10 (3/16 in.)	310 lbs.	8 1/2	4 oz.	12c	11c
9 (1/4 in.)	350 lbs.	7 1/4	5 oz.	14c	13c

Wire Chain. Size 2-10, 10 ga., 6 1/2 links per ft., safe load 240 lbs. Galvanized finish. Wt. per ft. is 4 State No. of feet.

84 A 9613 H—1 to 24 ft. Per ft. 7 1/2c; 25 ft. or more. Per ft. 7c

Link Machine Chain. Electric butt-welded links. 84 A 9602 H—State size and feet wanted.

Size Rod	Safe Load	Links Per Ft.	Wt. Per ft.	1-24 ft. up Per ft.	25 ft. up Per ft.
3/8 in.	380 lbs.	16 1/2	5 oz.	24c	22c
7/16 in.	500 lbs.	14 3/4	8 oz.	30c	28c
1/2 in.	855 lbs.	13	12 oz.	46c	44c
5/8 in.	1,820 lbs.	9 3/4	1 1/2 lbs.	64c	62c

Butt-Welded steel.

84 A 9603 H—Ship. wts. 5 and 8 oz. State size and length.

Size Rod	Links per ft.	Safe Load	1-24 ft. up Per ft.	25 ft. up Per ft.
3/16 in.	14	378 lbs.	25c	24c
7/32 in.	14	500 lbs.	27c	26c

Porch Swing Chain. Galvanized steel, 5-ft. leader, 2 1/2-ft. branches. With hooks. Safe load 500 lbs.

84 A 9623—Wt. 3 lbs. 12 oz. Pair \$1.98

Copper-Plated Sash Chain. Weldless woven links. Operates smoothly over any standard sash pulley. Wt. for 100 ft. 4 lbs.

84 A 9609 H—State length... Per ft. 4c

COPPER-PLATED SASH CHAIN. 100 ft. With hooks and spirals. Enough for 12 double hung windows.

84 A 9608—Ship. wt. 5 lbs. 100 ft. \$4.10

Brass Safety Chain. For furnace, closet and sink-stopper chain Size 2-10. Holds 23 lbs. State feet.

84 A 9605 H—Wt. per ft. 3 oz. Per ft. 10c

Single Jack Chain. For signs, etc. Size 16 holds 10 lbs. Size 14, 16 lbs. State size and length wanted.

Size	Per Ft.	25 feet up, Per ft.
16	6c	5c
14	7c	6c

Twist Link Well Chain. Galvanized steel. No. 3 is 3/8-in. stock, 10 1/2 links per ft., safe load 207 lbs. No. 2-0 is 3/8-in. stock, 9 3/4 links per ft., safe load 357 lbs. State size and number of feet wanted.

84 A 9611 H—Wts. 3 and 5 oz. per ft.

Size	Per ft.	25 ft. up, per ft.
3	16c	15c
2-0	21c	20c

Load Binders Low as \$2.21

Heavy-Duty Load Binders. For tightening chain, rope, wire or cable holding down loads on carrier. Will keep heaviest loads from slipping or shifting. Rocker-arm action insures gradual safe locking. Provide about 4 1/2 in. takeup for secure binding. Strong malleable iron handles with I-beam construction withstand greater leverage. Snub-nose hooks grab chain more easily and securely.

4,500-LB. CAPACITY BINDER. For chains up to 1/4 in. 84 A 9661—12-in. lever handle. Wt. 2 lbs. 4 oz. \$2.21

7,500-LB. CAPACITY BINDER. For chains to 3/8 in. 84 A 9662—19-in. lever handle. Wt. 7 lbs. \$3.89

12,000-LB. CAPACITY BINDER. For chains to 1/2 in. 84 A 9662 M—19-in. lever handle. Wt. 10 lbs. \$4.09

20,000-LB. CAPACITY BINDER. For chains to 5/8 in. 84 A 9656 M—18-in. lever handle. Wt. 14 lbs. \$6.98

Utility Chain Fastener. For general use as light duty load binder, chain fastener, etc. Takes up to 1/4-in. chain. Capacity 900 lbs. 8-in. handle.

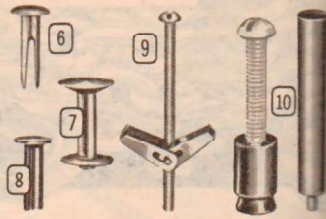
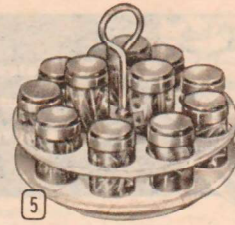
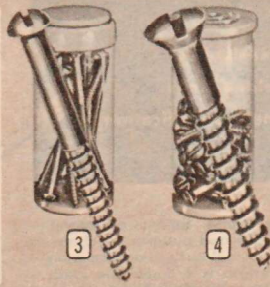
84 A 9652—Ship. wt. 1 lb. 9 oz. \$1.75



VISIT YOUR NEAREST
WARD CATALOG STORE TODAY
See Page 1267 for Store Nearest You

CBA WARDS 1081

OVER 250 Top Quality Fasteners . . . PRICED TO SAVE



1 2 Best Quality Flat Head Wood Screws. Machined from high strength steel. Wide choice of 27 lengths, 12 head sizes, zinc or brass. Box of 144. State Size.

Length, In.	Head Size	Ship. Wt.	(1) Zinc 84 A 425	(2) Brass 84 A 430	Length, In.	Head Size	Ship. Wt.	(1) Zinc 84 A 425	(2) Brass 84 A 430
3/8	2	2 oz.	49c		1	10	1 lb.	94c	\$2.36
1/2	2	3 oz.	52c		1 1/4	7	14 oz.	87c	
3/4	4	3 oz.	55c	75c	1 1/4	8	15 oz.	94c	2.19
1	4	4 oz.	57c		1 1/4	9	1 lb.	97c	
1 1/8	5	4 oz.		97c	1 1/4	10	1 1/2 lbs.	\$1.08	2.69
1 1/4	6	6 oz.	59c	\$1.09	1 1/2	8	1 lb.	1.04	2.48
1 1/2	7	7 oz.	61c		1 1/2	9	1 1/2 lbs.	1.09	
1 3/4	8	9 oz.	64c	1.14	1 1/2	10	1 1/2 lbs.	1.19	3.19
2	9	10 oz.	66c	1.55	1 1/2	12	2 lbs.	1.44	
2 1/4	10	12 oz.	69c		1 3/4	10	2 lbs.	1.34	
2 1/2	11	14 oz.	72c		2	10	2 lbs.	1.44	
3	12	1 lb.	88c	1.79	2 1/2	12	2 1/2 lbs.	1.85	
					3	12	3 lbs.	2.37	

3 4 Chromized Steel Wood Screws in Handy Transparent Plastic Vials. Resist breakage—all day storage. Average Ship. wt. 4 oz. State Catalog Number, length, size.

Length, In.	Size	No. in Vial	(3) Round Head 84 A 413	(4) Flat Head 84 A 419	Length, In.	Size	No. in Vial	(3) Round Head 84 A 413	(4) Flat Head 84 A 419
3/8	6	48	34c	34c	1 1/2	8	24	34c	34c
1/2	8	48	34c	34c	1 1/2	10	24	34c	34c
3/4	8	24	34c	34c	1 3/4	10	12	34c	34c
1	10	24		34c	2	10	12	34c	34c
1 1/4	7	24		34c	2 1/2	7	12	34c	34c
1 1/2	8	24		34c	2 1/2	12	12		34c
1 3/4	10	24		34c					

5 "Lazy Susan" Workshop Dispenser. Revolving transparent vials, helps keep workbench neat. Saves time hunting "right" screw, etc. All-metal stand holds 25 clear plastic vials filled with plated bolts, screws, and washers. Over 300 assorted pieces. 84 A 407—Ship. wt. 4 lbs. \$5.75

6 Split Rivets. Rust-resistant copper finish. 1/4 to 1/2 in. long, 9/16 in. under head. 50 rivets per box. Ship. wt. 2 oz. 84 A 515.....Box 25c 12 Boxes.....Only \$2.79

7 Copper Rivet Assortment. Includes 8, 9, 10, 12-gauge; 3/8 to 3/4 in. long. Repair leather, metal. Wt. 2 lbs. 8 oz. 84 A 530—Two-Lb. Pkg. \$3.15

8 Tubular Steel Rivet Assortment. Black enameled. 3/16 in. head. 3/16 in. body. From 1/4 to 1/2 in. long. For machines using standard rivets. 50 rivets per box. Shipping wt. box. 2 oz. 84 A 516—Box.....35c 12 boxes.....\$3.89

9 Spring-Wing Toggle Bolts. Fastening items to plaster walls. Prevents cracks and ugly plaster holes. Preserve the beauty of plaster walls with these useful, strong toggle bolts that won't slip. State Ship. wts. per pkg. of 6 bolts: 4 6 oz. and 9 oz. 84 A 381—1/8x4 in.Pkg. 3/16x4 in.Pkg. 65c; 1/4x4 in.Pkg. 75c

10 Expansion Screw Anchors. Anchoring in concrete, tile, and hard materials. Won't slip. Includes setting tool for quick easy anchoring in most surfaces. State size.

Size	Drill Hole	Wt.	Pkg. of	84 A 453	84 A 454
1/4-20 3/8 in.	5 oz.	10-89c	\$2.40		
1/4-20 1/2 in.	10 oz.	10-96c	3.40		
3/8-16 3/4 in.	1 1/2 lb.	6-\$1.49	7.40		

11 Hollow Wall Screw Anchor. Ten to wallboard, plywood, plaster, etc. Wts. 4, 6, 8 oz. 84 A 455—State length, quantity

Length, In.	For Walls	Price
1 in.	to 3/8 in. thick	4 for \$2.00
2 in.	to 3/4 in. thick	2 for \$2.00
2 1/2 in.	to 1 1/4 in. thick	2 for \$2.00

Satisfaction Guaranteed . . . Or Your Money Back.

Save Money on Shipping Charge—order at your Ward Catalog Store

MACHINE BOLTS



12 13 Plated Carriage and Machine Bolts. Bright zinc finish except where Black is noted. Top quality. Hex nuts. State diameter, length.

1/4-in. Diam.—Pkg. of 25					3/8-in. Diam.—Pkg. of 25				
Length, In.	Ship. Wt. Lbs.	Oz.	Carr. 84 A 329	Mach. 84 A 305	Length, In.	Ship. Wt. Lbs.	Oz.	Carr. 84 A 330	Mach. 84 A 306
1	10		38c	39c	1	1	3	52c	55c
1 1/4	11		43c	44c	1 1/2	1	6	68c	67c
1 1/2	12		46c	46c	2	1	11	76c	79c
2	1	5	53c	55c	2 1/2	2	2	86c	86c
2 1/2	2	6	61c	63c	3	2	4	95c	95c
3	1	8	67c	67c	3 1/2	2	8	\$1.08	\$1.09
3 1/2	1	9	76c	79c	4	2	14	1.16	1.15
4	1	12	84c	85c	4 1/2	3	4	1.29	1.34
4 1/2	1	12	95c		5	3	4	1.39	1.45
5	2	4	\$1.03	\$1.01	6	3	14	1.59	1.61
6	2	4	1.15	1.15					

CARRIAGE BOLTS



3/8-in. Diam.—Pkg. of 25					1/2-in. Diam.—Pkg. of 25					3/4-in. Diam.—Pkg. of 10				
Length, In.	Ship. Wt. Lbs.	Oz.	Carr. 84 A 331	Mach. 84 A 307	Length, In.	Ship. Wt. Lbs.	Oz.	Carr. 84 A 332	Mach. 84 A 308	Length, In.	Ship. Wt. Lbs.	Oz.	Carr. 84 A 333	Mach. 84 A 304
1	12		79c		3	10		\$1.75		1 1/2	3	4	\$1.39	
1 1/4	14		87c	89c	4	4		1.79		2	4	8	\$1.39	
1 1/2	2	2	91c	92c	4	6		1.84	3	4	8	1.45		
2	2	8	\$1.05	\$1.06	4	12		\$1.89	2.03	3	8	1.45		
2 1/2	2	14	1.15	1.19	5	8		2.19	2.39	4	8	1.49		
3	3	4	1.27	1.31	6	4		2.34	2.54	4	8	1.59		
3 1/2	3	6	1.49	1.49	7	7		2.59	2.79					
4	4	4	1.63	1.69	7	8		2.74	2.99	5	4	1.89		
4 1/2	1	12	69c	81c										
5	2	4	79c	89c										
6	2	4	89c	99c										
7	2	10	\$1.47	\$1.44										
8	2	14	1.57	1.59										
Sizes below Black finish			84 A 327					84 A 328	84 A 303					
10	3	8	1.74			6	8	\$2.38	\$2.19					
12	4	4	1.98			7	7	2.72	2.49					
14						8	12	3.19	2.89					
16						9	12	3.34	3.26					

Bolt, Screw Assortment

25 Assortment of Wood Screws. Flat, round head. Wt. for pkg., 1 lb. 8 oz. 84 A 440—1-lb. Package.....31c

A 100 Bolt Assortment. 23 sizes. 1/4, 5/16, 3/8, 1/2, 5/8 in. diam. 1 1/2 to 6 in. long. Hex nuts. Ship. wt. 13 lbs. 84 A 340 M—Carriage bolts.....\$4.75 84 A 315 M—Machine bolts.....4.75

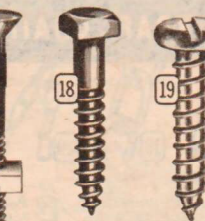
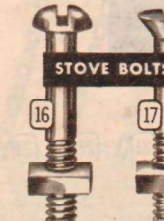
B 50-Pc. Hex Head Cap Screw Assort. 1/4-20x1/2 in. to 1/2-13x2 1/2 in. SAE, USS type. 84 A 472—Wt. 2 lbs. 14 oz.Box \$1.75

C Assorted Carriage, Machine Bolts. U.S. Standard threads. Natural. 15 sizes. 1/4, 5/16, 3/8 in. diam., 1 1/2 to 5 in. lengths. 100 CARRIAGE. Round Heads, square necks. 84 A 337—Ship. wt. 5 lbs. 8 oz.Box \$2.60 100 MACHINE. Square Heads, round necks. 84 A 312—Ship. wt. 6 lbs.Box \$2.55



14 Plastic Wood Screw Anchors. Take 4 to 9 screw gauge. Drill 3/16 in. hole. 12 anchors with screws. Wt. 2 oz. 84 A 437—12 for...33c

Large Plastic Wood Screw Anchors. Take 10 to 14 screw gauge. Drill 1/4 in. hole. 8 anchors, screws. Wt. 2 oz. 84 A 438—8 for...33c



16 17 Box of 25 Stove Bolts. Sq. nuts. Zinc.

(16)	³ / ₁₆ 84A350—Rd. Hd. in.			¹ / ₄	84A351—Rd. Hd. in.		
(17)	84A352—Flat Hd. in.				84A353—Flat Hd. in.		
Length.	Ship. wt.	Pkg.		Ship. wt.	Pkg.		
¹ / ₂	4 oz.	28c		7 oz.	46c		
³ / ₄	4 oz.	31c		8 oz.	48c		
1	6 oz.	33c		10 oz.	52c		
1 ¹ / ₂	6 oz.	42c		12 oz.	59c		
2	9 oz.	51c		14 oz.	69c		
2 ¹ / ₂	10 oz.	61c		1 lb.	79c		

18 25 Steel Lag Screws. 2 to 6-in. lengths. 5/16 and 3/8-in. diameters. State Size.

Length, In.	2	2 1/2	3	3 1/2	4	6
Ship. wt. lbs.	2	2	2 1/2	2	3 1/4	4 1/2
84 A 362—5/16.....	89c	1.04	1.15	1.35	1.55	2.09
84 A 363—3/8.....	1.04	1.29	1.49	1.73	2.49	

19 Sheet Metal Screws. 144 screws per pkg. 84 A 427—State length, gauge.

Length	Gauge	Ship. Wt.	Pkg.
1/2 in.	6	8 oz.	73c
1/2 in.	8	10 oz.	82c
3/4 in.	8	10 oz.	88c
3/4 in.	8	12 oz.	97c

20 36-inch Threaded Steel Rods. 84 A 345—Nuts not included. State diameter.

Diam. in.	1/4	5/16	3/8	1/2
Ship. wt.	8 oz.	12 oz.	1 lb.	1 lb. 13 oz.
Each.....	23c	37c	42c	64c

21 Hex. Steel Nuts. State size. 84 A 365—Black. Our best

In.	Pkg.	Lbs.	Oz.	Price
1/4	100	1		15
5/16	100	1		15
3/8	100	2	10	20
7/16	50	2	6	15
1/2	50	3	3	15
5/8	50	5		20
3/4	50	7	12	25

22 Lock Washer Assortment. 32 in pkg. Wt. 3 oz. 84 A 395—3/16 to 1/2 in.Pkg. 1.49

23 Steel Washers. State size. 84 A 390—Wt. pkg. 1 1/2 lbs.

Bolt	Pkg.	Price	Bolt	Pkg.	Price
3/16	325	49c	1/2	27	49c
1/4	160	49c	5/8	17	49c
5/16	60	49c	3/4	10	49c
3/8	95	45c	1	7	49c

Washer Assort. Fit 3/32 to 1/2 in. diam. 3 lbs., 5 lbs. 8 oz. 84 A 391—Pkg. 65c;2.50

24 Cotter Pins. Ship. wt. 1 lb. 13 oz. 84 A 401—1/16 to 1 1/4 in.Box \$1.49 84 A 400—1/4 to 2 1/2 in.Box \$2.49

Just say "Charge It" at Ward

See Page 1281

Turnbuckles.
Wt. ea.: 6 oz., 8
and 1 lb. 11 oz.
State Quantity.

Size	Each	6 for
1/4 in.	64c	\$3.64
3/8 in.	74c	4.24
1/2 in.	97c	5.59
3/4 in.	\$1.40	8.19

**Eye and Eye
Connectors.**
Wt. ea.: 1 lb. 11 oz.
State Quantity.

Eye Diam.	Take up	Wt. for 2	2 for
3/16 in.	1 1/2 in.	4 oz.	17c
1/4 in.	2 1/2 in.	7 oz.	21c
5/16 in.	2 3/4 in.	12 oz.	33c
3/8 in.	3 in.	16 oz.	54c

Wire Blocks
Wt. ea.: 1 lb. 11 oz.
State Quantity.

Sheave diam.	Cap. tons	Cat. No.	Ship. wt.	Price each
6 in.	2	84 A 9704 M	15 lbs.	\$14.49
8 in.	2 1/2	84 A 9704 MO	29 lbs.	19.79

Wire Clips
Wt. ea.: 1 lb. 11 oz.
State Quantity.

Wire Size	(31) Thimbles 84 A 9721	(32) Clips 84 A 9720
1/4 in.	2 oz. 7c	3 oz. 12c
5/16 in.	2 oz. 8c	4 oz. 13c
3/8 in.	3 oz. 9c	5 oz. 17c
1/2 in.	4 oz. 15c	7 oz. 23c
5/8 in.	5 oz. 19c	12 oz. 31c
3/4 in.	1 lb. 23c	1 lb. 46c

**Powerful
Cutting Action**

**Powerful
Cutting Action**

**Powerful
Cutting Action**

Size	Wt.	Price
4 lbs.		\$11.95
5 lbs.		13.95
9 lbs.		17.95
13 lbs.		22.95

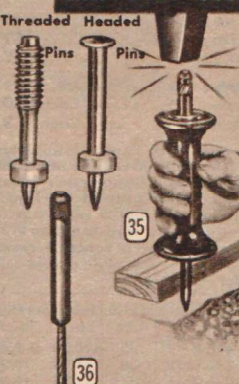
BOLT CLIPPERS



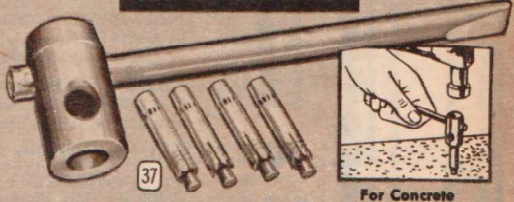
QUICK DRIVE TOOL

Quick-Drive Tool. Fasten wood 2x4's or steel boxes to concrete. Eliminates drilling, boring. Uses special steel pins below.
84 A 476—Shipping weight 2 lbs. \$6.98
Headed Pins. Allow for 3/4-in. penetration into concrete. Pkg. of 25. Wts. 4, 6, 8 oz.
84 A 478— 3/4 in. \$1.39
84 A 479—1 1/2 in. 1.98
84 A 480—2 1/2 in. 2.39
Threaded Pins. Pkg. of 25. 1 1/2 in. long.
84 A 481—Wt. 7 oz. \$2.19
Adaptor for Driving Threaded Pins. Use with (35) above.
84 A 477—Wt. 7 oz. \$1.95

QUICK DRIVE TOOL



DRILL AND ANCHOR KIT



Each Anchor Is Its Own Drill . . . a sharp drill for each hole, because you use it only once. Ideal for attaching studs to concrete walls in basement, etc. All you need is the kit and a hammer. In 2 minutes you can secure a bolt that holds to 2 tons and can't pull out, rust out, or vibrate loose. Use 1/4-in. bolts. Shipping weight 1 lb.
84 A 482—Kit with four 1/4-in. drill anchors. \$1.66
Set of Four Extra Drill Anchors. 1/4-inch size. For (37).
84 A 483—Ship. wt. 5 oz. 4 for 63c

Wards Best Quality Steel Wire Nails. Meet Federal Spec. FF-N-191. Wts. for 5 lbs. 10 oz.; for 50-lb. box, 52 lbs. sturdy cartons. Sizes for all your needs. See and Catalog Number.

Common Nails. Sharp Point. Size 6d, 8d, 10d, 12d. State Catalog Number and Size.
84 M—5-lb. Box. Only 91c
84 MO—50-lb. Box. Save \$1.13. Box \$7.97

Catalog Number and Nail Type	Nail Size	No. per 5-lb. Box
84 A 9961 M Pasterboard	5/16 in. head	1 1/4 387 \$1.09
84 A 9995 M Nail	6d 2	309 87c
84 A 9976 M Shingle	8d 2 1/2	189 87c
84 A 9998 M Nail	8d 2 1/2	145 87c
84 A 9983 M Coated Box	6d 1 3/8	315 97c
84 A 9989 M Coated Sinker	8d 2 1/2	190 91c
	16d 3 1/4	61 91c

(45) (46) (47) Stronger Threaded Nails. Greater holding power, fewer "splints." Can't "pop" or back out. In sturdy 1-lb. cartons.

(45) Underlayment Nails. 1 1/4 in. Prevent squeaks. Approximately 500 per lb.
84 A 9971—Ship. wt. 1 lb. 4 oz. Lb. 67c
(46) Masonry Nails. Fasten wood or steel to masonry. Approx. 95 and 70 per lb.
84 A 9959—1 3/4 inch. Ship. wt. 1 lb. 4 oz. Lb. 57c
84 A 9960—2 3/4 inch. Ship. wt. 1 lb. 4 oz. Lb. 57c
(47) Flooring Nails. Size 7d. Approximately 151 nails per pound.
84 A 9970—2 1/4 inch. Wt. 1 lb. 4 oz. Lb. 57c

(48) (49) Steel Nails. Wire Brad (48) or Flat Head (49). Ship. wt. 6 oz.

State Size	Ga.	Wire Brad (48)	Flat Head (49)
1/2 in.	19	84 A 9981	84 A 9980
3/4 in.	17		
1 in.	17		
1 1/4 in.	16		

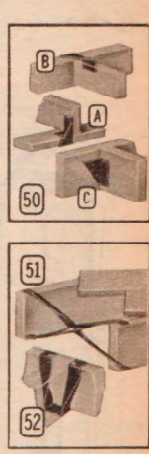
Use Your Credit . . . Build Up Your Order To \$20 or more . . . See Page 1281.



(50) Trip-L-Grip Framing Anchors. Anchor joints, rafters, etc. For 2-in. or thicker lumber. Nails incl. State style (A), (B), (C), also Right or Left Hand. Wts. 3 lbs., 25 lbs.
84 A 1549-Pkg. 10. \$1.39
84 A 1549MB-Pkg. 100. 13.50

(51) Cross Bridging. Install without tools. Push on lever bar and cross bridging is rigid. Holds firm until you release it. No nails needed. Works on locked joint principle. For "tying in" floor joists to 2x10's on 16-in. centers. Strips 20 1/2 in. long. Wt. per pkg. 4 lbs. 8 oz. Mailable.
84 A 1559—10 sets. \$2.98

(52) Lane Joist Hanger. Galvanized steel. Wt. 2 1/4 lbs. State size.
84 A 1535—2x8 in. Each 55c
2x10 in. Each 79c



Rubber and Canvas Belts For All Jobs . . . Long Lasting . . . Dependable Performance

32-Oz. Raw Edge Endless Rubber Belts. Woven U.S. Standard duck has greater strength, 50% less stretch than regular cotton duck. Moisture-proof, proof—pre-stretched . . . will cling to pulley. Four-ply. Full 3/16 inch thick.

Lgth	Catalog No.	Wt.	Each
30 ft.	87A 7190 MOT	20 lbs.	\$56.95
40 ft.	Mailable,	27 lbs.	69.95
50 ft.	State	35 lbs.	81.95
60 ft.	Length,	42 lbs.	93.95
50 ft.	Width	40 lbs.	94.95

Important Ordering Information for Belts. Give length around outside of first pulley, around outside of opposite pulley. Endless belts are abt. 3 ft. shorter than listed. Splicing charge includes extra material for splice. No C.O.D. orders. Order up to 5 in., order 1/2 in. narrower pulley width; belting 6 to 12 in., 1 in. narrower. State length, width.

Belting By The Foot. Rolled Edge Rubber Belting needs no breaking in—is prestretched and extra strong. Black Canvas Belting is prestretched, reinforced and laced at no extra charge. Order vulcanized splicing at right.

Wide In.	Rubber		Black Canvas	
	4-Ply. About 3/32 in. thick	3-Ply. About 5/32 in. thick	4-Ply. About 3/16 in. thick	3-Ply. About 5/32 in. thick
	Wt. Ft.	Ft.	Wt. Ft.	Ft.
1 1/2	3 oz.	47c	3 oz.	26c
2	5 oz.	62c	4 oz.	37c
3	6 oz.	82c	5 oz.	49c
4	7 oz.	98c	6 oz.	59c
5	8 oz.	\$1.24	8 oz.	74c
6	9 oz.	1.34	9 oz.	84c
7	10 oz.	1.47	10 oz.	94c
8	12 oz.	1.47	12 oz.	1.19
10	1 lb.	1.80	1 lb.	1.80

Wire Hook Belt Lacer. Laces belted to 3/8 in. thick; up to 6-in. width at a time. Shears included. Wt. 3 lbs. 10 oz. 87 A 7197—Use hooks listed below. \$9.98

Wire Grip Belt Lacing Hooks. Eight 8-in. strips lace 24 in. of belt. Nitite pins. State size, number wanted.
87 A 7196—Size 2. For light belts. Wt. 9 oz. \$1.05
Size 4. For belts up to 1/4 in. Wt. 10 oz. 1.29
Size 5. For belts up to 5/8 in. Wt. 12 oz. 1.59

Splicing Charge—Include with "By The Foot" Order

Belt Width, Inches	Mailable to 70 lbs. from	
	Chicago	Middletown, Conn.
1 1/2	87 A 7188 HT	87 A 7191 HK
2	\$5.40	\$1.90
3	7.08	2.40
4	9.58	3.50
5	11.40	4.60
6	14.28	5.60
7	15.48	
8	16.68	
10	21.28	

Splicing. Order exact length desired. Splicing charge includes extra material for splice. Ship. from Chicago, Ill. or Middletown, Conn. Belt Nos. ending in "M" ship from Baltimore, Md.

SAVE 10% MORE BUY 3 OR MORE

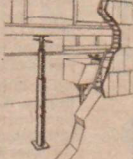
Prevent expensive floor sag

Ideal under heavy kitchen appliances

Permanent type—can be sealed in concrete for worry-free support.



Excellent support for stairways



\$9.67 Ea. in Lots of 3

\$7.15 Ea. in Lots of 3

\$9.67 Ea. in Lots of 3

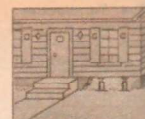
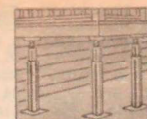
(1) Heavy Duty Permanent Jack Post. Capacity to 32,000 lbs. Replace deteriorated wooden posts, etc. Cut post to fit your support needs. Maximum height 8 ft. 5 in., min. height 9 in. Post diameter 2 3/4 in. Adjusts 3 in. Has 4x8 in. plates. With turning bar, instructions. *Not Mailable.* Wt. 33 lbs. 84 A 5505 R—Each \$10.75.....3 or more, Each \$9.67

(2) Adjustable Column Jack Post. Capacity to 15,000 lbs. Welded double-tube construction. Save on costly house repairs. Outer tube 2 1/2 in. diameter. Height adjusts from 4 ft. 6 in. to 7 ft. 9 in. Two 5/8 in. diam. support pins. Steel nut and screw adjusts 3 in. With 3x6 in. plates and turning bar, complete instructions. *Mailable up to 70 lbs.* 84 A 5516 MB—Ship. wt. 25 lbs. *Mailable.*.....Each \$7.95 84 A 5516 R—Lots of three or more.....Each 7.15

4 Ft. 10 in. to 8 Ft. 10 in. Range. *Mailable to 70 lbs.* 84 A 5506 MO—Ship. wt. 35 lbs.....Each \$10.49 84 A 5506 R—Lots of three or more.....Each 9.44

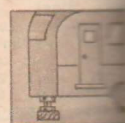
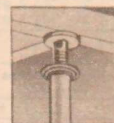
(3) Extra Heavy Duty Permanent Jack Posts. Manufactured and designed to meet FHA minimum requirements. High quality materials for trouble-free use. Compression tested to 38,000 lbs. 3-in. diam. 1-pc. posts constructed of 11-gauge high-tensile steel coated inside and out to resist rust and corrosion. 1 1/4 in. diam. screw allows for adjustment up to 3 in. After adjustment, post may be imbedded in concrete, making it a permanent tamper-proof column. Top plate of cold-rolled steel spot welded to tube. *Not Mailable.*

Catalog Number	Adjusts Ft.-in.	For Clearance Ft.-in.	Wt. Lbs.	Ea. Price	3orMore, Each
84 A 5507 R	6-6 to 6-9	6-4 to 6-7	35	\$10.75	\$ 9.67
84 A 5508 R	6-9 to 7-0	6-7 to 6-10	36	11.35	10.20
84 A 5509 R	7-0 to 7-3	6-10 to 7-1	37	11.75	10.55



Use Under Porches, Stairs, Craw Space, Etc.

(4) Adjustable "Shorty" Jack Post. Use under porches, stairs, crawl space, etc. (See above.) 1-in. diameter fine threaded lift screw. Rust-resistant heavy-gauge construction. Supports up to 20,000 lbs. Adjusts from 1 ft. 9 in. to 3 ft. 6 in. and base plates have holes for fastening when used as a perm. support. Turning bar. Wt. 14 lbs. 84 A 5510 M—Each \$5.69...lots of 3, Each \$5.11



Use 3 or 3 1/2-in. pipe... 4x4-in. Lumber

(5) All-Purpose Jack. Make your own support post. Simple to assemble and operate. You receive top and bottom plate—plates diam. threaded screw. All you need is 4x4-in. lumber or a 3 1/2-in. pipe. Will lift up to 5,000 lbs.... support 10,000 lbs. and safely. Use for porches, leveling, trailers, barns, etc. steps, etc. Instructions and turning bar included. 84 A 5511—Wt. 5 lbs. *Mail.* Each \$2.55.....3 or more, Each \$2.11

Bell Bottom Jack Screws

• Lift 5 to 20 Tons

• Sure-Grip Corrugated Bell Top

(6) A Size for Every Job: shoring buildings, lifting machinery. Sturdily constructed for extra-heavy lifting. A real power tool... 1-in. screw holds 5 tons, 1 1/4 in. screw holds 10 tons. 1 1/2 in. screw holds 12 tons, and 2-in. screw holds 20 tons.



Drop-forged turn screws with square-cut threads for greater strength. Turning bar not included. Wrecking bar to turn. Malleable iron caps for easy turning of screw.

Catalog Number	Diam. in.	Ht. Range in inches	Ship. Wt. lbs.
84 A 5520 M	1	8 1/2 to 13 1/4	6 lbs.
84 A 5521 M	1 1/4	10 1/2 to 17 1/2	12 lbs.
84 A 5522 M	1 1/2	10 1/2 to 17	15 lbs.
84 A 5523 M	1 1/2	12 1/2 to 20 1/2	17 lbs.
84 A 5524 MB	2	15 1/2 to 24 1/2	27 lbs.

Just Say Charge It!

SEE PAGE 1281

If Fire Starts...

BE READY



\$30.95

\$22.95

\$29.50

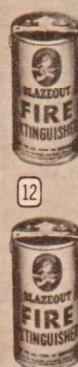


\$12.69

\$9.98



3 For \$2.95



\$12.69

(7) Pressurized, Water-Type Fire Guard Extinguisher. 2 1/2-gal. capacity for Class A fires. Use protective anti-freeze during winter. Stainless steel. 84 A 8635 M—Ship. wt. 10 lbs. \$3.50 Dn...Cash \$30.95 84 A 8636 MB—2 1/2 Gal. Refill. Ship. wt. 32 lbs....\$4.49

(8) Quick-Aid Soda Acid Type. Coast Guard Approved. 2 1/2-gallon. For Class A wood or rubbish fires only—rated 2A. Invert to operate—40-ft. stream. 500-lb. test stainless steel tank. Recharge annually. Ship. wts. Extinguisher 19 lbs.; Refill 3 lbs. 84 A 8630 R—Order refill below.....\$22.95 84 A 8609 R—SODA ACID REFILL. 2 1/2 gallon.....\$9.95

SPECIAL DISCOUNT OFFER. Schools, manufacturing plants, motels, etc. DEDUCT 10% on orders of 6 or more extinguishers except (12) and refills.

1084 WARDS BA

SATISFACTION GUARANTEED

(9) Carbon Dioxide Extinguishers. 5-lb. size. For Class B, C or small Class A fires. CO₂ won't damage furniture or fabrics. Doesn't conduct electricity, won't freeze. Rated 2 BC... PLUS... COAST GUARD APPROVED. Handy wall bracket. \$3.00 Down. 84 A 8621 R—Wt. 21 lbs. \$4 Monthly...Cash \$29.50

(10) Vaporizing Liquid Type. For Class A, B, and C type fires. 1-quart size, rated 1/2 BC. Shoots full 20-30 ft. stream. Won't freeze, harm fabrics or furniture. Ship. wts. 10 lbs. and 9 lbs. *Mailable.*

(10) 84 A 8603 M—1 1/2-QT. SIZE. Truck bracket. \$12.69 (11) 84 A 8606 M—1-QUART SIZE. Wall bracket. 9.98 84 A 8607—1-QT. REFILL FOR (10), (11). Wt. 3 3/4 lbs. 1.15

(12) Blaze Out Extinguisher. Class A, B, C. 12-ft. stream. 84 A 8601—Wt. ea. 1 1/2 lbs. Ea. \$1.06; 3 for \$2.95

(13) Pressurized 2 1/2-lb. Dry Chemical Extinguisher. Coast Guard approved. Ideal for marine use. Won't harm fabrics. For Class B, C fires. Rated ABC. Complies with regulations. Clean up easily with vacuum cleaner. 84 A 8633—Red. With wall bracket. Wt. 6 lbs. 8 oz. \$22.95 84 A 8638—Chrome-plated. Wt. 6 lbs. 8 oz. \$22.95

(14) Pressurized 5-lb. Dry Chemical Extinguisher. Coast Guard approved. Pushes away heat of any fire. Rated ABC. Non-toxic, Coast Guard approved. Recharge by simplified operation discharge level. \$2.50 down. 84 A 8634—Red. With bracket. Wt. 12 lbs. \$22.95 84 A 8637—Refill for 13, 14. Wt. 2 lbs. 14 oz. 2 1/2 lbs. \$2.95

IMPORTANT. Extinguishers are rated by Underwriters Laboratory according to relative effectiveness and classes of fires they will handle best. CLASS A—wood, rubber, paper; CLASS B—oil, grease, flammable liquid fires; CLASS C—fires involving electricity.